Appendix C1

Greenhouse Gas Assessment

GREENHOUSE GAS ASSESSMENT

Carlton Oaks Country Club and Resort
City of Santee, CA

Prepared for:

Lennar Homes
16465 Via Esprillo, Suite 150
San Diego, CA 92127

Prepared By:

Ldn Consulting, Inc.
23811 Washington Ave, C110-333
Murrieta, California 92562

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Assembly Bill 32 (AB32)

Business as Usual (BAU)

California Air Pollution Control Officers Association's (CAPCOA)

California Air Resource Board (CARB)

California Environmental Quality Act (CEQA)

Carbon Dioxide (CO_2)

Climate Action Plan (CAP)

Cubic Yards (CY)

Environmental Protection Agency (EPA)

Electric Vehicle (EV)

Green House Gas (GHG)

International Residential Code (IRC)

Low Carbon Fuel Standard (LCFS)

Methane (CH_4)

Metric Tons of Carbon Dioxide Equivalent (MT CO_2e)

Nitrous Oxide (N_2O)

San Diego Air Basin (SDAB)

San Diego Air Pollution Control District (SDAPCD)

Senate Bill 97 (SB97)

Vehicle Miles Traveled (VMT)

1.0 INTRODUCTION

1.1 Purpose of this Report

Carlton Oaks Golf Course ownership and Lennar Homes, as joint project proponents, are proposing to redevelop the existing Carlton Oaks Country Club Resort (COCCR) into a modern self-sustaining destination resort with an added residential accessory uses. The overall site sits on roughly 100.6 acres in the City of Santee and 64.2 acres in the City of San Diego ("project site"). Approximately 3.5 acres consist of areas outside of the project site that will be developed with improvements associated with the project and are located either in the City of San Diego or City of Santee (offsite improvement areas). The offsite improvement areas and the proposed project site make up the CEQA Study Area of a total of approximately 169 acres. The project components include redoing the existing golf course and demolishing the existing resort facilities and then re-constructing the redesigned resort. Work proposed on the portion of the project located within the City of San Diego primarily consists of redoing the existing golf course. All work on the proposed resort, including demolishing the existing facilities and construction of the residential accessory units, will occur within the City of Santee's jurisdiction. Consequently, the City of Santee is the public agency that has the principal responsibility for carrying out and approving the Project and is the lead agency for purposes of California Environmental Quality Act (CEQA).

The intent of this Greenhouse Gas (GHG) Assessment is to analyze the Project's GHG emissions and evaluate its conformance with the City of Santee's Sustainable Santee Plan (SSP) which was adopted in January 2020 (City of Santee, 2019). As described in the SSP, there is an existing framework of federal, State, regional, and local policies and regulations that identify GHG reduction requirements and provides the roadmap for the City to achieve local reduction requirements to meet these requirements. In addition, as identified in the plan, showing consistency with the SSP would also demonstrate that the proposed Project would have a less than significant impact under CEQA (City of Santee, 2019).

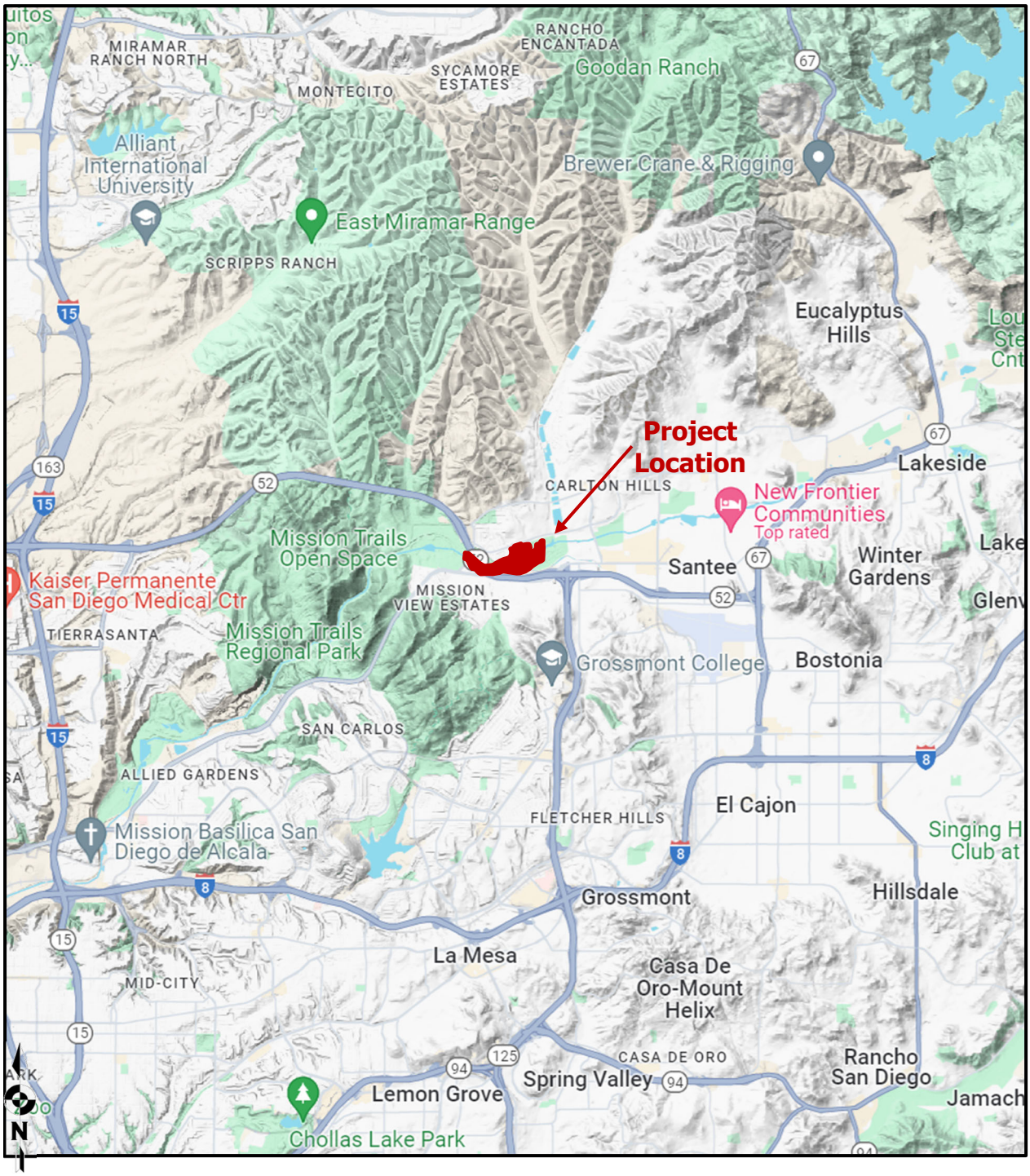
The existing COCCR facilities will be demolished and new resort facilities will be reconstructed that integrates a number of design features to reduce GHG emissions sources when compared to the existing use which was last renovated in 1989. In addition to showing conformance of the proposed project with the SSP, this analysis also focuses on ensuring the final design does not increase the existing GHG intensity of the COCCR and implements SSP design features.

1.2 Project Location

The proposed project is situated north of State Route 52 (SR-52), where it traverses in an east–west direction, south of single-family and multifamily residential development lining

Carlton Oaks Drive, east of West Hills Parkway and SR-52, and in a northwest–southeast direction, and east of the open space associated with the San Diego River Trail and a residential development. A project vicinity map is shown in Figure 1-A.

Figure 1-A: Project Vicinity Map



Source: (Google, 2024)

1.3 Project Description

The existing COCCR consists of a 145-acre 18-hole golf course, clubhouse, pool, restaurant, and golf amenities such as a pro-shop and driving range as well as multiple sheds and a maintenance building. In addition, the existing development has a 43-unit hotel and 9 single story casitas which look like residential units. Combined the hotel and casitas operate as a 52-unit hotel. The existing hardscape is approximately 106,000 square feet making up the onsite parking and roadways. The existing golf course has roots dating back to the 1950's and was last renovated in 1989.

The proposed project would demolish all existing facilities onsite and reconstruct them using the latest energy efficient construction techniques. The project would construct a new reduced size 104-acre golf course and golf amenities, clubhouse, pool, restaurant, and a new energy efficient 52-unit hotel. The Project would include parking with 292 parking spaces. In addition, the project would construct 236 multi-family residential units and six (6) single-family residential units.

This project will include Project Design Features (PDFs) that reduce greenhouse gases such as installing photovoltaic solar panels, electric vehicle charging stations (EVCS) and significantly limiting the use of natural gas.

Project Design Features

The following design features of the proposed project are relevant to the quantification of GHG emissions presented in this analysis:

PDF 1: The proposed project will comply with California Title 24 Energy Code (2022) or the Code in effect at the time of building permit application. The following energy efficient items will be included in all residential units: improved HVAC systems with sealed (tight) air ducts; enhanced ceiling, attic and wall insulation; install energy conserving appliances such as whole house fans; high-efficiency water heaters (tankless water heaters); energy-efficient three coat stucco exteriors; energy efficient appliances; programmable thermostat timers; and high-efficiency window glazing.

PDF 2: As a matter of regulatory compliance, the project would comply with Section 5.106.5.2 of CALGreen Code (2022) or said Code in effect at the time of building permit application Code (CALGreen Code). The project is required to provide designated parking for shared vehicles and clean air vehicles. This will occur at the resort facility. This revision simply indicates that the Project would utilize the latest CALGreen Code when building permits are requested by the Project. Currently the

latest code applicable to this Project as of the date of this report is CALGreen Code (2022) which went into effect on January 1, 2023.

PDF 3: All uses onsite with the exception of the restaurant will be "All Electric". Natural gas will only be installed for the restaurant's use.

PDF 4: The Project will install Energy Star-rated Appliances for all residential appliances and will install Energy Star rated appliances such as refrigerators in the Hotel and Restaurant.

PDF 5: Low-flow toilets, faucets, and shower heads will be installed throughout the entire project.

PDF 6: Areas for storage and collection of recyclables and yard waste will be provided.

PDF 7: Every residential dwelling unit garage (242 units) will have Level 2 Electric Vehicle Supply Equipment (EVSE) installed.

PDF 8: 45 percent of all non-residential parking spaces will be Electric Vehicle (EV) capable[1] (132 Spaces) and 33 percent of these EV capable parking spaces will have EVCS installed (44 Units).

PDF 9: The Project will plant approximately 645 new trees within the development or 414 new trees in the residential development, 60 new trees on the golf course, and 171 new trees at the hotel site and access road.

PDF 10: The Project would install at least 1,168 kW of solar onsite (1,089 kW on the residential units and 79 kW on the new resort). This exceeds the SSP requirements from Goal 10 as shown below.

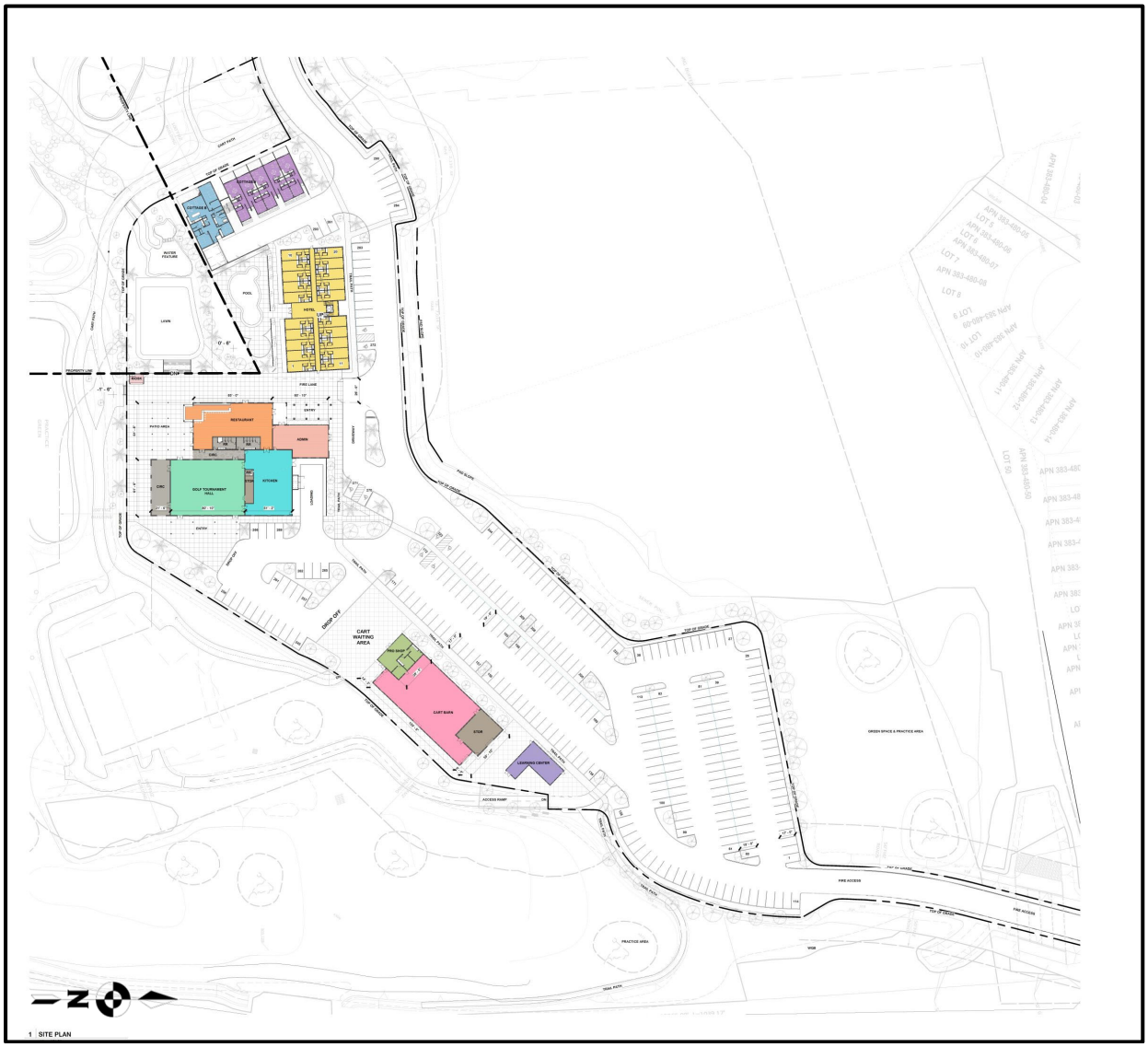
It should be noted that under the SSP the Project would be required to install 1 kW per unit for each multi-family unit, 2 kW per unit for each single-family unit and 1.5 kW per square foot for commercial buildings. Under the SSP, 236 kW would be required for the multi-family development, 12 kW would be required for the single-family housing units and roughly 78 kW for the commercial development 51,926 SF of commercial facilities. Given this, the SSP would call for at least 326 kW in total.

[1] EV Capable means that dedicated electrical panel capacity and raceway infrastructure is provided to support a future 40-ampere, 208/240-volt branch circuit for a future dedicated Level 2 EVSE.

Figure 1-B: Project Development Map

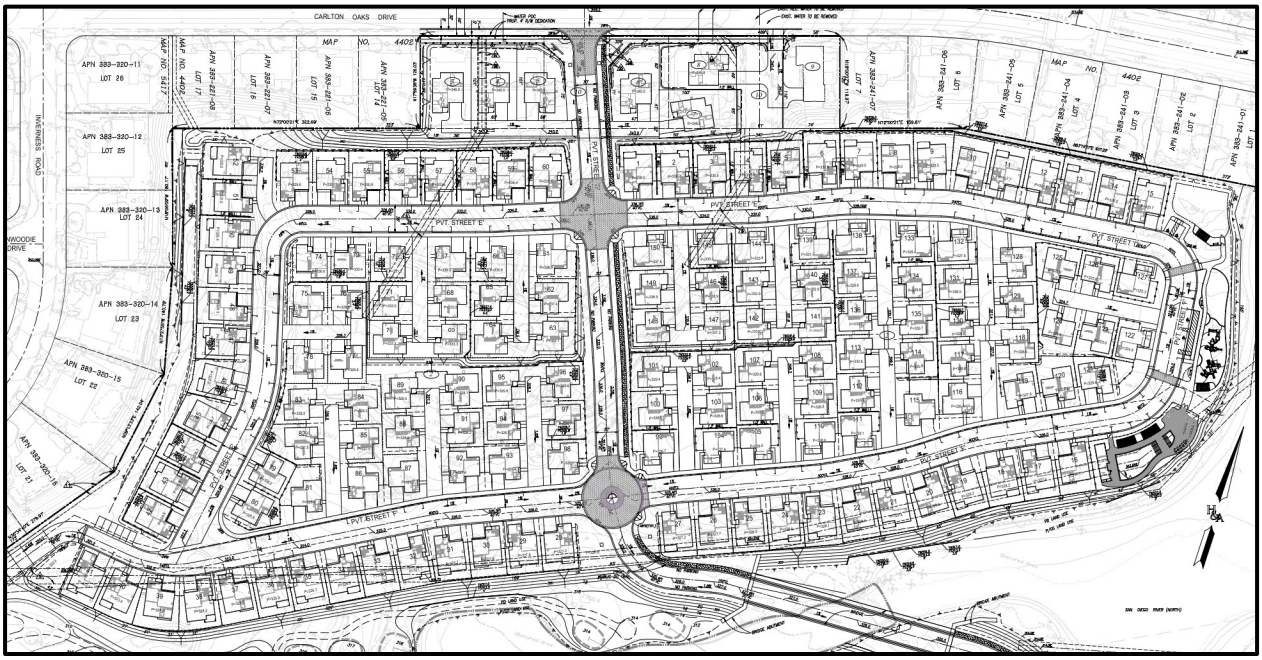
Source: (Google Earth Pro, 2024)

Figure 1-C: Hotel and Resort Clubhouse Development Details



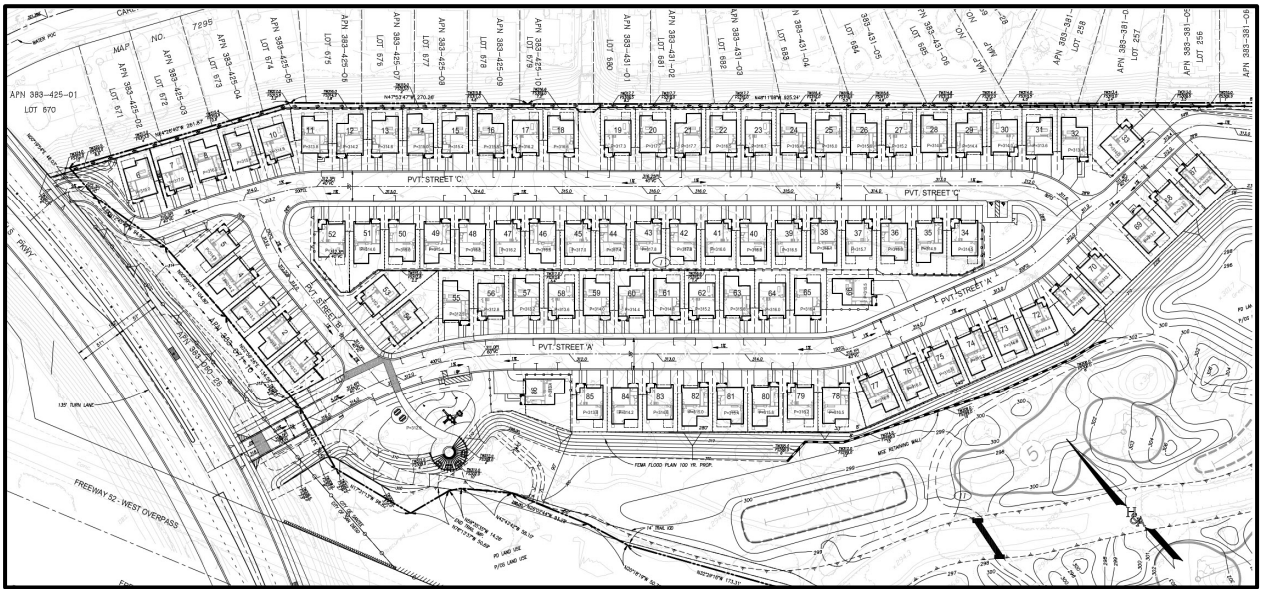
Source: (Atelier5 Design, 2024)

Figure 1-D: NAR Development Details



Source: (Hunsaker & Associates , 2025)

Figure 1-E: WAR Development Details



Source: (Hunsaker & Associates , 2025)

Construction is expected to span over 5 consecutive years, beginning with soil import in August 2025 and ending early 2029. The proposed Project development plan is provided in a Project Development below in Figures 1-B and is followed by a figure of each development area to include the Hotel and Clubhouse area, North Area Residential (NAR), West Area Residential (WAR) (See Figures 1-C through -E).

General Plan Land Use

As explained below, the project will continue to locate the same uses within the site consistent with the underlying uses in the respective Cities' General Plans and zoning ordinances. The portion of the project site located within Santee is currently designated as Park/Open Space (P/OS) and Planned Development (PD) in the City of Santee's General Plan. The area designated as PD is in the northern portion of the project site, bordering the existing residential land uses designated Low-Medium Density Residential (R2) and Medium-High Density Residential (R14).

The Residential uses will be located within the PD designated portion of the project area, within the City of Santee. The General Plan allows such uses as an accessory use to primary recreation use for the COCCR property. Residential uses are also permitted under the Planned District zoning designation. Consistent with the City of Santee's General Plan, locating residential uses in the designated planned development areas is compatible with the existing adjacent residential uses because of similar public service and site planning requirements.

The COCCR facilities will be relocated to the Park/Open space area within the City of Santee that is designated in the General Plan to allow the facility/resort to be fully integrated into the golf course. A Conditional Use Permit (CUP) for the country club and related uses would be required based on the underlying Park/Open space zoning designation. The proposed CUP would be prepared pending approval of this Project.

In the City of San Diego's General Plan, the southern part of the project site (approximately 64.6 acres) is designated as Open Space and will remain with the same use as a golf course.

2.0 BACKGROUND AND ENVIRONMENTAL SETTING

2.1 Understanding Climate Change and Greenhouse Gases

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in the Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere. The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows:

a) As short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation. GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth.

b) The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

c) Some GHGs are emitted exclusively from human activities (e.g., synthetic halocarbons). Others occur naturally but are found at elevated levels due to human inputs (e.g., carbon dioxide). Anthropogenic sources result from energy-related activities (e.g., combustion of fossil fuels in the electric utility and transportation sectors), agriculture, land-use change, waste management and treatment activities, and various industrial processes. Major GHGs include CO_2, CH_4, N_2O , and various synthetic chemicals (EPA, 2023).

The GHGs typically analyzed in a greenhouse gas study are CO_2, CH_4, and N_2O because they are emitted in the greatest quantities from human activities. A brief description of each GHG follows:

Carbon Dioxide (CO_2) is widely reported as the most important anthropogenic greenhouse gas because it currently accounts for the greatest portion of the warming associated with human activities. Carbon dioxide occurs naturally as part of the global carbon cycle, but human activities have increased atmospheric loadings through combustion of fossil fuels and other emissions sources. Natural sinks that remove carbon dioxide from the atmosphere (e.g.,

oceans, plants) help regulate carbon dioxide concentrations, but human activities can disturb these processes (e.g., deforestation) or enhance them (EPA, 2023).

Methane (CH_4) comes from many sources, including human activities such as coal mining, natural gas production and distribution, waste decomposition in landfills, and digestive processes in livestock and agriculture. Natural sources of methane include wetlands and termite mounds (EPA, 2023).

Nitrous Oxide (N_2O) is emitted during agricultural and industrial activities, as well as during combustion of solid waste and fossil fuels (EPA, 2023).

To simplify GHG calculations, both CH_4 and N_2O are converted to an equivalent amount of carbon dioxide, or CO_2e. CO_2e is calculated by multiplying the calculated levels of CH_4 and N_2O by a Global Warming Potential (GWP). GWPs for both CH_4 and N_2 are presented within the 2007 Intergovernmental Panel on Climate Change (IPCC) report as being 25 and 298, respectively (IPCC, 2007).

2.2 Climate

Climate within the San Diego Air Basin (SDAB) often varies dramatically over short geographical distances with cooler temperatures on the western coast gradually warming to the east as prevailing winds from the west heat up. Most of southern California is dominated by high-pressure systems for much of the year, which keeps San Diego mostly sunny and warm. Typically, during the winter months, the high-pressure system drops to the south and brings cooler, moister weather from the north. It is common for inversion layers to develop within high-pressure areas, which mostly define pressure patterns over the SDAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning.

Meteorological trends within the area generally show daytime highs ranging between 69ºF in the winter to approximately 89ºF in the summer with August usually being the hottest month. Daytime Low temperatures range from approximately 41ºF in the winter to approximately 64ºF in the summer. Precipitation is generally about 12.4 inches per year (WRCC, 2020). Prevailing wind patterns for the area vary during any given month during the year and also vary depending on the time of day or night. The predominant pattern though throughout the year is usually from the west or westerly (WRCC, 2018).

3.0 CLIMATE CHANGE REGULATORY ENVIRONMENT

3.1 Federal

Massachusetts v. US Environmental Protection Agency (EPA)

On April 2, 2007, in *Massachusetts v. EPA*, the Supreme Court directed the EPA Administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare. In making these decisions, the EPA Administrator is required to follow the language of Section 202(a) of the federal Clean Air Act. On December 7, 2009, the EPA Administrator signed a final rule with two distinct findings regarding GHGs under Section 202(a) of the Clean Air Act:

- The Administrator found that elevated concentrations of GHGs such as CO_2, CH_4, N_2O, Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), and Sulfur hexafluoride (SF_6) within the atmosphere threaten the public health and welfare of current and future generations. This is referred to as the "endangerment finding."

- The Administrator further found the combined emissions of GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is referred to as the "cause or contribute finding."

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Federal Vehicle Standards

On May 14, 2007, Executive Order (EO) 13432 was signed by President George Bush. This EO directed the EPA, the Department of Transportation (DOT), and the Department of Energy (DOE) to establish GHG emissions regulations from the transportation sector.

This EO led to the Federal Government establishing stricter fuel efficiency and GHG emissions regulations for vehicles manufactured starting in 2012 which effectively updated the Corporate Average Fuel Economy (CAFE) Standards which was first enacted in 1975 (DOT, 2014). These CAFE standards have been updated regularly and each time they are, Vehicle efficiency requirements become more stringent.

In May 2022, the National Highway Traffic Safety Administration (NHTSA) published rules finalizing revised fuel economy standards for passenger cars and light trucks for 2024-2025 and the standards increase at a rate of 8 percent per year. Then in 2026 an increase in the

efficiency standard by 10 percent would be required. NHTSA estimates that the industry fleet-wide average will be 49 miles per gallon (MPG) in 2026. (NHTSA, 2022).

In July 2023, NHTSA proposed new CAFE standards for passenger cars and light trucks built in model years 2027-2032, and new fuel efficiency standards for heavy-duty pickup trucks and vans built in model years 2030-2035. If finalized, the proposal would require an industry fleet-wide average of approximately 58 miles per gallon for passenger cars and light trucks in MY 2032, by increasing fuel economy by 2 percent year over year for passenger cars and by 4 percent year over year for light trucks. (NHTSA, 2023)

3.2 State

State Greenhouse Gas Targets

Executive Order S-3-05

EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, 1990 levels by 2020, and 80 percent below 1990 levels by 2050.

AB 32 and CARB's Climate Change Scoping Plan

In furtherance of the goals established in EO S-3-05, the Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020.

Under AB 32, the CARB is responsible for and is recognized as having the expertise to carry out and develop the programs and regulations necessary to achieve the GHG emissions reduction mandate of AB 32. Therefore, in furtherance of AB 32, CARB adopted regulations requiring the reporting and verification of GHG emissions from specified sources, such as industrial facilities, fuel suppliers and electricity importers (see Health & Safety Code Section 35830; Cal. Code Regs., tit. 17, §§95100 et seq.). CARB is also required to adopt rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 relatedly authorized CARB to adopt market-based compliance mechanisms to meet the specified requirements. Finally, at the State level CARB will continue monitoring compliance and enforcing rules, regulation, emission limitations, emission reduction measures, or market-based compliance mechanisms adopted.

In 2007, CARB approved a limit on the statewide GHG emissions level for the year 2020 consistent with the determined 1990 baseline (427 million metric tons (MMT) CO_2e). CARB's adoption of this limit is in accordance with Health and Safety Code Section 38550.

Further, in 2008, CARB adopted the *Climate Change Scoping Plan: A Framework for Change* (*Scoping Plan*) in accordance with Health and Safety Code Section 38561. The *Scoping Plan* established an overall framework for the measures that will be implemented to reduce California's GHG emissions for various emission sources/sectors to 1990 levels by 2020. The 2008 *Scoping Plan* evaluated opportunities for sector-specific reductions, integrated all CARB and Climate Action Team[2] early actions and additional GHG reduction features by both entities, identified additional measures to be pursued as regulations, and outlined the role of a cap-and-trade program. The key elements of the 2008 *Scoping Plan* include the following (CARB, 2008)

1. Expanding and strengthening existing energy efficiency programs as well as building and appliance standards.

2. Achieving a statewide renewable energy mix of 33 percent.

3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions.

4. Establishing targets for transportation-related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets.

5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard.

6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

In the 2008 *Scoping Plan*, CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of approximately 28.5 percent from the otherwise projected 2020 emissions level; i.e., those emissions that would occur in 2020, absent GHG-reducing laws and regulations (referred to as "Business-As-Usual" [BAU]). For purposes of

[2] The Climate Action Team is comprised of state agency secretaries and heads of state agencies, boards and departments; these members work to coordinate statewide efforts to implement GHG emissions reduction programs and adaptation programs.

calculating this percent reduction, CARB assumed that all new electricity generation would be supplied by natural gas plants, no further regulatory action would impact vehicle fuel efficiency, and building energy efficiency codes would be held at 2005 standards.

In the 2011 Final Supplement to the *Scoping Plan's* Functional Equivalent Document, CARB revised its estimates of the projected 2020 emissions level in light of the economic recession and the availability of updated information about GHG reduction regulations (CARB, 2011). Based on the new economic data, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of 21.7 percent (down from 28.5 percent) from the BAU conditions. When the 2020 emissions level projection was updated to account for newly implemented regulatory measures, including Pavley I (model years 2009–2016) and the Renewables Portfolio Standard (12 percent to 20 percent), CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of 16 percent (down from 28.5 percent) from the BAU conditions.

In 2014, CARB adopted the *First Update to the Climate Change Scoping Plan: Building on the Framework* (*First Update*). The stated purpose of the *First Update* was to "highlight California's success to date in reducing its GHG emissions and lay the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050." The *First Update* found that California is on track to meet the 2020 emissions reduction mandate established by AB 32 and noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80 percent below 1990 levels by 2050 if the state realizes the expected benefits of existing policy goals.

In conjunction with the *First Update*, CARB identified "six key focus areas comprising major components of the state's economy to evaluate and describe the larger transformative actions that will be needed to meet the state's more expansive emission reduction needs by 2050." Those six areas are: (1) energy; (2) transportation (vehicles/equipment, sustainable communities, housing, fuels, and infrastructure); (3) agriculture; (4) water; (5) waste management; and, (6) natural and working lands. The *First Update* identified key recommended actions for each sector that will facilitate achievement of EO S-3-05's 2050 reduction goal.

Based on CARB's research efforts presented in the *First Update*, it has a "strong sense of the mix of technologies needed to reduce emissions through 2050." Those technologies include energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies.

As part of the *First Update*, CARB recalculated the state's 1990 emissions level using more recent global warming potentials identified by the IPCC. Using the recalculated 1990 emissions level (431 Million Metric Tons (MMT) CO_2e) and the revised 2020 emissions level projection identified in the 2011 Final Supplement, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of approximately 15 percent (instead of 28.5 percent or 16 percent) from the BAU conditions.

In November 2017, CARB released *California's 2017 Climate Change Scoping Plan* (*Second Update*) for public review and comment (CARB, 2017). This update proposes CARB's strategy for achieving the state's 2030 GHG target as established in SB 32 (discussed below). The strategy includes continuing the Cap-and-Trade Program through 2030[3], inclusive policies and broad support for clean technologies, enhanced industrial efficiency and competitiveness, prioritization of transportation sustainability, continued leadership on clean energy, putting waste resources to beneficial use, supporting resilient agricultural and rural economics and natural and working lands, securing California's water supplies, and cleaning the air and public health.

When discussing project-level GHG emissions reduction actions and thresholds, the *Second Update* states "[a]chieving no additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development." However, the *Second Update* also recognizes that such an achievement "may not be feasible or appropriate for every project … and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA." CARB's Governing Board adopted the *Second Update* in December 2017.

CARB's Climate Change Scoping Plan Update 2022

In 2022 California released the latest scoping plan update which lays out the sector-by-sector roadmap for California to achieve carbon neutrality by 2045. This plan, addressing recent legislation and direction from Governor Newsom, extends and expands upon these earlier plans with a target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045 (CARB, 2022). The plan suggests that bold steps are required by the State and calls for the need of vast research and development with respect to methods of capturing CO_2. The plan calls for a need to take an unprecedented transformation and aggressively seek reductions to reduce the need of fossil fuels by moving to zero emission transportation, electrifying the cars, buses, trucks and trains. The plan requires partnership and collaboration

[3] In July 2017, AB 398 was enacted into law, thereby extending the legislatively authorized lifetime of the Cap-and-Trade Program to December 31, 2030.

with the federal government, other U.S. states, and other jurisdictions around the world for California to succeed in achieving its climate targets.

The 2022 Scoping Plan includes key actions to support success in the necessary transition away from fossil fuel combustion. Among the actions listed is decarbonizing the electricity sector; which depends on both using energy more efficiently and replacing fossil-fueled generation with renewable and zero carbon resources, including solar, wind, energy storage, 353 geothermal, biomass, and hydroelectric power. Another action includes expanding incentive programs to support the holistic retrofit of existing buildings. Buildings have cross-sector interactions that influence public health and well-being and affect energy use. There are about 14 million existing homes and over 7.5 billion square feet of existing commercial buildings in California. Fossil gas supplies about half of the energy consumed by end uses in these buildings. In achieving carbon neutrality, transitioning away from fossil fuels in existing residential and commercial buildings is an important action item.

AB 97

AB 97 was enacted in 2007 and expressly recognized the need to analyze GHG emissions as a part of the CEQA process. AB 97 required the Governor's Office of Planning and Research (OPR) to develop CEQA Guidelines for GHG emissions (Pub. Resources Code, §21083.05.)

EO B-30-15

EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim goal of reducing statewide GHG emissions to 40 percent below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050 as set forth in S-3-05. To facilitate achievement of this goal, EO B-30-15 calls for an update to CARB's *Scoping Plan* to express the 2030 target in terms of MMT CO_2e. The EO also calls for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016.

SB 32 and AB 197

SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction target; make changes to CARB's membership and increase legislative oversight of CARB's climate change-based activities; and expand dissemination of GHG and other air

quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40 percent below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, in order to provide ongoing oversight over implementation of the state's climate policies.

AB 197 also added two members of the Legislature to CARB as nonvoting members. The legislation further requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and identify specific information for GHG emissions reduction measures when updating the scoping plan, including information regarding the range of projected GHG emissions and air pollution reductions that result from each measure and the cost-effectiveness (including avoided social costs) of each measure (see Health & Safety Code Section 38562.7).

EO B-55-18

In 2018, the Governor expanded upon EO S-3-05 by issuing Executive Order B-55-18 and creating a statewide goal of carbon neutrality by 2045. EO B-55-18 identifies CARB as the lead agency to develop a framework for implementation and progress tracking toward this goal. It should be noted that consistency with a statewide carbon neutrality target by 2045 represents the Governor's policy goal but is not required to make a significance determination. The state has already determined that 80 percent below 1990 levels by 2050 is a long-term target that represents California's share of emissions reductions to stabilize and limit global warming and "avoid dangerous climate change". EO B-30-15 sets forth the 2050 target endorsed by the Intergovernmental Panel on Climate Change's finding and notes that the state's 2050 target will "attain a level of emissions necessary to avoid dangerous climate change" because it may limit global warming to 2 degrees Celsius by 2050.

In 2022 California released the latest scoping plan update which lays out the sector-by-sector roadmap for California to achieve carbon neutrality by 2045. This plan, addressing recent legislation and direction from Governor Newsom, extends and expands upon these earlier plans with a target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045 (CARB, 2022). The plan suggests that bold steps are required by the State and calls for the need of vast research and development with respect to methods of capturing CO2. The plan calls for a need to take an unprecedented transformation and aggressively seek reductions to reduce the need of fossil fuels by moving to zero emission transportation, electrifying the cars, buses, trucks and trains. The plan relies on external controls and requires partnership and collaboration with the federal government, other U.S. states, and other jurisdictions around the world for California to succeed in achieving its climate targets.

Assembly Bill 1279

In 2022, the Governor approved Assembly Bill 1279 (AB 1279) (State of California, 2022) which requires the state board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and to update the scoping plan at least once every 5 years. This bill, the California Climate Crisis Act, would declare the policy of the state both to achieve net zero greenhouse gas emissions as soon as possible, but no later than 2045, and achieve and maintain net negative greenhouse gas emissions thereafter, and to ensure that by 2045, statewide anthropogenic greenhouse gas emissions are reduced to at least 85 percent below the 1990 levels.

Building Energy

Title 20

Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include: refrigerators, refrigerator-freezers and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing for each type of appliance covered under the regulations and appliances must meet the standards for energy performance, energy design, water performance and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

Title 24, Part 6

Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically establishes Building Energy Efficiency Standards that are designed to ensure new buildings and alterations or additions to existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. The California Energy Commission (CEC) is required by law to adopt standards every 3 years that are cost effective for homeowners over the 30-year lifespan of a building. These standards are updated to consider and incorporate new energy efficient technologies and

construction methods. As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The current code requirement is based on the 2022 standards, as those standards went into effect on January 1, 2023. The 2022 standards have mandatory requirements to reduce building envelope air leakage, improve roofing through Solar Reflectance and Thermal Emittance, improve on insulation, improve on space conditioning, water heating and plumbing, and improve on lighting efficiency requirements, to name a few. The project will be required to implement Title 24 2022 or the code cycle relevant at the time of building permit issuance.

Title 24, Part 11

In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CALGreen and establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards initially took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The CALGreen 2016 standards became effective on January 1, 2017. The mandatory standards require the following (24 CCR Part 11):

- Mandatory reduction in indoor water use through compliance with specified flow rates for plumbing fixtures and fittings.

- Mandatory reduction in outdoor water use through compliance with a local water efficient landscaping ordinance or the California Department of Water Resources' Model Water Efficient Landscape Ordinance.

- Sixty-five (65) percent of construction and demolition waste must be diverted from landfills.

- Mandatory inspections of energy systems to ensure optimal working efficiency.

- Inclusion of EV charging stations or designated spaces capable of supporting future charging stations.

- Low pollutant emitting exterior and interior finish materials, such as paints, carpets, vinyl flooring, and particle boards.

The CALGreen standards also include voluntary efficiency measures that are provided at two separate tiers and implemented at the discretion of local agencies and applicants. CALGreen's Tier 1 standards call for a 15 percent improvement in energy requirements; stricter water conservation, 10 percent recycled content in building materials, 20 percent permeable paving, 20 percent cement reduction, and cool/solar-reflective roofs. CALGreen's more rigorous Tier 2 standards call for a 30 percent improvement in energy requirements, stricter water conservation, 75 percent diversion of construction and demolition waste, 15 percent recycled content in building materials, 30 percent permeable paving, 25 percent cement reduction, and cool/solar-reflective roofs.

The latest CALGreen Standards were updated in 2022 and became effective on January 1, 2023. The updated Code includes modifications to current codes and is currently a requirement for this Project. Mandatory requirements include many updated Electric Vehicle Charging requirements for multi- and single-family developments (California Title 24, Part 11, 2022).

Mobile Sources

AB 1493

In response to the transportation sector accounting for more than half of California's CO_2 emissions, AB 1493 was enacted in July 2002. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004 (CARB, 2017).

EO S-1-07

Issued in January 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The target of the Low Carbon Fuel Standard is to reduce the carbon intensity of California passenger vehicle fuels by at least 10 percent by 2020. The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered. CARB adopted the implementing regulation in April 2009.

The latest amendment to LCFS implementation regulations was in 2018 via CARB approved amendments which included strengthening and smoothing the carbon intensity benchmarks through 2030 in-line with California's 2030 GHG emission reduction target enacted through SB 32 (CARB, 2018). CARB is considering new amendments which have gone through the public review process, however it is unknown when new standards will be adopted.

SB 375

SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations (MPOs) are then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan. The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible and if implemented, the GHG reduction targets. If an SCS is unable to achieve the GHG reduction target, an MPO must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

In 2010, CARB adopted the SB 375 targets for the regional metropolitan planning organizations. The 2010-adopted targets for SANDAG are a 7 percent reduction in emissions per capita by 2020 and a 13 percent reduction by 2035; the targets are expressed as a percent change in per capita passenger vehicle GHG emissions relative to 2005.

In October 2015, SANDAG adopted *San Diego Forward: The Regional Plan*, which contains the region's current SCS. In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region. More specifically, as set forth in CARB Executive Order G-15-075, CARB determined that SANDAG's SCS would achieve a 15 percent per capita reduction by 2020 and a 21 percent per capita reduction by 2035.

In 2018, CARB updated the SB 375 targets. For purposes of SANDAG, the updated targets include a 15 percent reduction in emissions per capita by 2020 and a 19 percent reduction by 2035.

SANDAG approved the 2021 Regional Plan in December 2021. The Plan provides a big picture vision for how the San Diego region will grow through 2050 and beyond with an implementation program to help make the plan a reality. Within the Draft Plan, SANDAG

introduced a transformative vision for transportation in San Diego County that completely reimagines how people and goods could move throughout the region in the 21st century. The plan outlines the "5 Big Moves" which are: Complete Corridors, Transit Leap, Mobility Hubs, Flexible Fleets, and the Next OS. This plan is the region's long-term plan which will be implemented incrementally through the Regional Transportation Improvement Program (RTIP) (SANDAG, 2021).

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB, 2017). To reduce GHG emissions, CARB, in conjunction with the EPA and the NHTSA, also has adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34 percent in 2025 compared to 2017 (California Air Resources Board, 2012).

The Zero Emission Vehicle (ZEV) program acts as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid electric vehicles (PHEVs) in the 2018 to 2025 model years (California Air Resources Board, 2017).

This program was recently updated and is known as the Advanced Clean Cars II (ACC II) Program. The ACC II regulations will rapidly scale down emissions of light-duty passenger cars, pickup trucks and SUVs starting with the 2026 model year through 2035. The regulations are two-pronged. First, it amends the ZEV Regulation to require an increasing number of zero-emission vehicles, and relies on currently available advanced vehicle technologies, including battery-electric, hydrogen fuel cell electric and plug-in hybrid electric-vehicles, to meet air quality and climate change emissions standards. Second, the Low-emission Vehicle Regulations were amended to include increasingly stringent standards for gasoline cars and heavier passenger trucks to continue to reduce smog-forming emissions (CARB, 2023).

EO B-16-12

EO B-16-12 (March 2012) directs state entities under the Governor's direction and control to support and facilitate development and distribution of ZEVs. This EO also sets a long-term target of reaching 1.5 million zero-emission vehicles on California's roadways by 2025. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80 percent less than 1990 levels by 2050. In furtherance of

this EO, the Governor convened an Interagency Working Group on Zero-Emission Vehicles that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet. As of January 2018, the Governor has called for as many as 1.5 million EV by 2025 and up to five million EV by 2030 (Office of Governor Edmund G. Brown Jr., 2018).

EO N-79-20

EO N-79-20 (September 2020) Governor Gavin Newsom signed EO N-79-20 in 2020 and it requires that 100 percent of new car sales in California be ZEVs by 2035. The plan targets 35 percent ZEV sales by 2026, 68 percent by 2030, and 100 percent by 2035 (CARB, 2023).

AB 1236

AB 1236 (2015), as enacted in California's Planning and Zoning Law, requires local land use jurisdictions to approve applications for the installation of electric vehicle charging stations, as defined, through the issuance of specified permits unless there is substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The bill requires local land use jurisdictions with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that creates an expedited and streamlined permitting process for electric vehicle charging stations, as specified. In August 2016, the County Board of Supervisors adopted Ordinance No. 10437 adding a section to its County Code related to the expedited processing of electric vehicle charging stations permits consistent with AB 1236.

SB 350

SB 350 (2015) further expanded the RPS by establishing that 50 percent of the total electricity sold to retail customers in California per year by December 31, 2030 be secured from qualifying renewable energy sources. In addition, SB 350 includes the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency.

Renewable Energy Procurement

SB 1078

SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities equivalent to at least 1 percent of sales, with an aggregate goal of 20 percent by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20 percent of their power from renewable sources by 2010.

SB X1 2

SB X1 2 (2011) expanded the RPS by establishing that 20 percent of the total electricity sold to retail customers in California per year by December 31, 2013, and 33 percent by December 31, 2020, and in subsequent years be secured from qualifying renewable energy sources. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location. In addition to the retail sellers previously covered by the RPS, SB X1 2 added local, publicly owned electric utilities to the RPS.

SB 100

SB 100 (2018) further accelerated and expanded the RPS and requires an achievement of a 50 percent RPS by December 31, 2026 and a 60 percent RPS by December 31, 2030. SB 100 also established a new statewide policy goal that calls for eligible renewable energy resources and zero-carbon resources to supply 100 percent of electricity retail sales and 100 percent of electricity procured to serve all state agencies by December 31, 2045.

SB 1020

In 2022, the Governor approved SB 1020 (State of California, 2022). This bill requires the state board to conduct a series of public workshops to give interested parties an opportunity to comment on the plan and requires a portion of those workshops to be conducted in regions of the state that have the most significant exposure to pollutants. This bill includes as regions for these workshops federal extreme nonattainment areas that have communities with minority populations, communities with low-income populations, or both.

Under existing law, it was the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use

customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045.

This bill revised the state policy to instead provide that eligible renewable energy resources and zero-carbon resources supply 90 percent of all retail sales of electricity to California end-use customers by December 31, 2035, 95 percent of all retail sales of electricity to California end-use customers by December 31, 2040, 100 percent of all retail sales of electricity to California end-use customers by December 31, 2045, and 100 percent of electricity procured to serve all state agencies by December 31, 2035, as specified.

Water

EO B-29-15

In response to drought-related concerns, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25 percent relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increases the requirements for landscape water use efficiency and broadens its applicability to include new development projects with smaller landscape areas.

Solid Waste

AB 939 and AB 341

In 1989, AB 939, known as the Integrated Waste Management Act (Public Resources Code Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction in waste being disposed wherein jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25 percent by 1995 and 50 percent by the year 2000.

AB 341 (2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75 percent of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal.

AB 1826 (2014)

In October 2014 Governor Brown signed AB 1826 which requires businesses to recycle their organic waste as of April 1, 2016. The law also required that after January 1, 2016, local jurisdictions across the state were required to implement an organic waste recycling program to divert organic waste generated by businesses, including multifamily residential dwellings that consist of five or more units. This requires business generating over 8 cubic yards (CY) of waste per week to arrange organic waste recycling services. The law also contained a trigger that allowed for increased implementation. For example, in 2019 CalRecycle changed the 8 CY threshold to 4 CY and then in 2020 to CY for business to implement organic recycling programs (CalRecycle, 2023).

3.3 Local Regulations

The City of Santee is committed to providing a more livable, equitable, and economically vibrant community through the incorporation of energy efficiency features and reduction of GHG emissions. Through the SSP, the City has established goals and policies that incorporate environmental responsibility into its daily management of its community and municipal operations. The SSP was adopted in January 2020 (City of Santee, 2019). The SSP presents the City's roadmap to ultimately achieve the statewide carbon neutrality goal by 2045. The roadmap identifies methodologies used to establish benchmarks and key strategies to achieve these goals. Based on the Plan, the city would need to reduce GHG emissions 40 percent below 2005 levels and as much as 49 percent below a 2005 level by 2035[4].

The SSP ultimately uses these projected GHG emissions along with demographic indicators such as population and job growth to define these emissions. The term Service Population (SP) was utilized which is defined as the combined number of residents and people working in the City. Based on the ABAU scenario, The plan indicated that in 2035, the SP would be 84,200 which accounts for a 17.4 percent growth from 2013 to 2035. Based on the 84,200 SP and the 173,386 MT CO_2e goal, the GHG reduction target would be 3.16 MT CO_2e / SP to meet the State Aligned Efficiency Target (City of Santee, 2019).

[4] Note: The inventory data for the SSP was calculated and projected using methodologies including the SANDAG Series 12 projections, along with other established techniques such as local activity data and emission factors. Some inventories might have been omitted unintentionally. Due to this, the benchmark goal of achieving a 49 percent reduction below 2005 emission levels means that any adjustments to the initial 2005 figures would consequently alter the target numbers. This ensures that the reduction targets remain consistent with the relative changes in the baseline data. Therefore, the resultant numbers are inherently tied to the accuracy of the initial inventory calculations.

The SSP indicates that GHG inventories were developed using a number of planning tools, such as the SANDAG Series 12 and other models including EMFAC 2014. The BAU inventory for 2035 includes buffer forecasts to accommodate an additional 2,000 homes which were anticipated for growth. Both the BAU and ABAU inventories included the residential land use buffer when forecasting GHG emissions associated with energy (electricity and natural gas consumption), water, and solid waste.

The SANDAG Series 12 Transportation Model included aggressive growth rates according to the SSP, which resulted in higher levels of transportation-related travel in 2020, 2030, and 2035. The overall projections are presented in a screenshot figure from the SSP in Figure 3-A below.

Figure 3-A: SSP – Table 17 State-Aligned GHG Reduction Targets

Sector	2005	2013	2020	2030	2035
BAU Emissions (MT CO_2e)	339,972	402,574	432,982	486,170	515,462
Adjusted BAU Emissions (MT CO_2e)	339,972	402,574	352,106	339,514	336,543
Service Population (Population + Jobs)	70,152	71,663	76,437	81,499	84,200
Adjusted BAU Per Capita Emissions (MT CO_2e/SP)				2.55	2.51
State-Aligned Performance Target (% change from 2005)				-40%	-49%
State-Aligned Performance Target (MT CO_2e)				203,983	173,386
Reductions from Adjusted BAU needed to meet the Performance Target (MT CO_2e)				135,531	163,157
State-Aligned Efficiency Target (MT CO_2e/SP)				3.80	3.16
Reductions from Adjusted BAU needed to meet the Efficiency Target (MT CO_2e/SP)				Target Met	Target Met

Source: (City of Santee, 2019)

According to the data in the SSP the BAU emission of 515,462 MT CO_2e in 2035 needs to be reduced to 173,386 MT CO_2e. The SSP indicates that through the incorporation of all SSP measures, the city would reduce emissions by 164,655 MT CO_2e and would generate 171,888 MT CO_2e in 2035 meeting the goal by 1,498 MT CO_2e. These numbers are presented in Table 3.1 below.

Table 3.1: SSP – 2035 Projected Emissions Inventory 2035

GHG Emission Inventory	GHG Emissions ($MT CO_2e$)
2035 Projected BAU Emissions	515,462
State and Federal Reductions	-178,919
Local Measure Reduction from all SSP Measures including CCA	**-164,655**
2035 Projected GHG Emissions	171,888
State Aligned Performance Target	173,386
Exceeds Reduction Performance Target by	-1,498

To achieve these goals, the SSP identifies GHG strategies or design features that new development would need to incorporate for the City's GHG emission reductions to be achieved. The strategies are provided in Appendix D of the SSP and labeled as the SSP Consistency Checklist. This checklist provides a streamlined process for new development under CEQA (City of Santee, 2019).

The City's SSP meets the requirements under Section 15183.5 of the CEQA Guidelines as a qualified plan for the reduction of GHG emissions for use in cumulative impact analysis pertaining to development projects. The Checklist provides a streamlined review process for the GHG emissions analysis of proposed new development projects that are consistent with the General Plan. In most cases, assuming the Project is consistent with the General Plan, would have less than significant GHG impacts under CEQA by incorporating all applicable GHG reduction strategies.

The SSP also requires that Projects which do not meet the requirements of the Checklist will be deemed to be inconsistent with the SSP and must prepare a project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions and incorporation of the measures of the Checklist to the extent feasible. As the first step in determining the consistency with the SSP for discretionary development projects the Project would need to answer yes to any of the following questions to move forward:

1. Is the proposed project consistent with the existing General Plan and land use zoning designation? Or
2. If the proposed Project is not consistent with the existing land use plan and zoning designation, does the project include a land use plan and/or zoning designation amendment that is identified in the SSP use Buffer?
3. If the proposed Project is not consistent with the existing land use plan, zoning designation or Land Use Buffer, does the project include a land use plan and/or zoning designation

amendment that will result in an equivalent or less GHG intensive project when compared to the existing designations?

SSP Checklist Requirements

A key tenant of the SSP is that if a Project is consistent with the General Plan, the Project would have less than significant impacts under CEQA so long as the SSP Checklist is implemented for the Project.

The project site is currently designated P/OS and PD by the City of Santee's General Plan. The residential uses will be located within the PD designated portion of the project area, within the City of Santee.

The General Plan allows such uses as an accessory use to primary recreation use for the COCCR property. Residential uses are also permitted under the Planned District zoning designation. Consistent with the City of Santee's General Plan, locating residential uses in the designated planned development areas is compatible with the existing adjacent residential uses because of similar public service and site planning requirements.

The COCCR facilities will be relocated to the Park/Open space area within the City of Santee that is designated in the General Plan to allow the facility/resort to be fully integrated into the golf course. A Conditional Use Permit (CUP) for the country club and related uses would be required based on the underlying Park/Open space zoning designation. The proposed CUP would be prepared pending approval of this Project.

Since the proposed Project is consistent with the General Plan, the answer to Part 2 of the SSP (Determining Land Use Consistency) is yes, the Project would then proceed to the SSP CEQA Project Consistency Checklist (City of Santee, 2019). Based on the SSP, the Project GHG emissions would be considered less than significant under CEQA so long as the Project implements SSP checklist measures to the Project design features. Based on review of the Checklist, the following measures would be required and the Project will incorporate all the following SSP checklist measures:

Land Use Sector – Residential

Goal 2 – Measure 2.1 – Increase Energy Efficiency in the New Residential Units

The residential component of the Project shall meet or exceed California Green Building Standards Tier 2 Voluntary Measures, such as obtaining green building ratings including LEED, Build it Green or Energy Star Certified building certification in scoring development and explain the measures implemented.

Energy Efficiency (Residential)

Goal 4 – Measure 4.1 – Increase Energy Efficiency in the New Commercial Units

The commercial component of the Project shall meet or exceed California Green Building Standards Tier 2 Voluntary Measures, such as obtaining green building ratings including LEED, Build it Green or Energy Star Certified building certification in scoring development and explain the measures implemented.

Energy Efficiency (Commercial)

Goal 4 – Measure 4.1 – Increase Energy Efficiency in the New Commercial Units

The commercial component of the Project shall meet or exceed California Green Building Standards Tier 2 Voluntary Measures, such as obtaining green building ratings including LEED, Build it Green or Energy Star Certified building certification in scoring development and explain the measures implemented.

Advanced Goals Measures (Commercial)

Goal 5 – Measure 5.1 – Decrease Energy Demand through Reducing Urban Heat Island Effect

Project utilizes tree planting for shade and energy efficiency such as tree planting in parking lots and streetscapes.

Goal 5 – Measure 5.2 – Decrease Energy Demand through Reducing Urban Heat Island Effect

Project uses light-reflecting surfaces such as enhanced cool roofs on commercial buildings.

Transportation (Commercial and Residential)

Goal 6 – Measure 6.1 – Decrease GHG Emissions through a Reduction in VMT

Proposed projects streets include sidewalks, crosswalks, and other infrastructure that promotes non-motorized transportation options.

Goal 6 – Measure 6.2 – Decrease GHG Emissions through a Reduction in VMT

Proposed project installs bike paths to improve bike transit.

Goal 7 – Measure 7.1 – Increase Use of Electric Vehicles

Install electric vehicle chargers in all new residential and commercial developments.

a. For new Single-Family Residential, Install complete 40 Amp electrical service and one e-charger.
b. For new Multifamily Residential, install e-chargers for 13 percent of total parking.
c. For new Office Space, Regional Shopping Centers, and Movie Theaters, install e-chargers for 5 percent of total parking spaces.
d. For new industrial and other Land Uses employing 200 or more employees, install e-charges for 5 percent of total parking spaces.

Goal 8 – Measure 8.1– Improve Traffic Flow

Implement traffic clow improvement program.

a. Install smart traffic signals at intersections warranting a traffic signal, OR
b. Install a roundabout.

Solid Waste (Commercial and Residential)

Goal 9 – Measure 9.1 – Decrease GHG Emissions through Reducing Solid Waste Generation

Reduce waste at landfills.

Clean Energy (Commercial and Residential)

Goal 10 – Measure 10.1 – Decrease GHG Emissions through increased Clean Energy Use

Increase distributed energy generation within City of Santee by implementing the following applicable photovoltaic (PV) solar systems:

a. Single-Family residential to install at least 2 kilowatts (kW) of PV per unit, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an application.
b. Multifamily residential to install at least 1 kW of PV per unit, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an applicant's formal project submittal to City.
c. On commercial buildings, install at least 1.5 W per square foot of building area (e.g., 2,000 SF = 3 kW) unless the installation is infeasible due to poor solar resources.

SSP Efficiency Thresholds

As shown in Table 3.1 above, the SSP sets a 2035 projected emission cap is 171,888 MT CO_2e. This means that in 2035, the City's emissions are anticipated not exceed 171,888 MT CO_2e for the estimated 84,200 SP. Breaking this down further on a per capita emission rate, the City would require that each person generate no more than 2.04 MT CO_2e SP (171,888 MT CO_2e / 84,200 people). This threshold would be achievable for all growth projections in the City and includes the 2,000 units which were approved as well as projected growth estimates using planning tools such as the SANDAG Series 12 and EMFAC 2014.

Table 10 and Table 22 of the SSP outlines how emission reductions from SSP measures will be achieved, detailing reductions from each goal, with some coming from existing developments, some from new developments, and in some cases, both (City of Santee, 2019). For goals where reductions come from both existing and new developments, reasonable assumptions were made about the distribution (refer to each Goal within the SSP for more information on the anticipated reductions). For instance, it is assumed that 65 percent of reductions in waste to landfills would come from new developments, while 80 percent of Community Choice Aggregation (CCA) reductions would come from existing developments. Table 3.2 below provides the GHG reductions from Tables 10 and 22 in the SSP.

After all the SSP reductions, the 2035 BAU Emissions from Population would be 171,888 MT as can be seen in Table 3.3. Table 3.3 also includes the population data for the City to determine the SSP Efficiency threshold. The emission cap of 171,888 MT aligns with the overall growth projections in the City, including new housing units which may require a GPA and other projected growth estimates derived from tools like the SANDAG Series 12 and EMFAC 2014. Given this the 2.04 MT CO_2e per SP would be conservative. These planning tools consider the growth of undeveloped land uses consistent with the City's General Plan, ensuring that the per capita emission rate remains realistic and achievable. Continuous monitoring and adjustments per the SSP will be required in the future but this threshold remains feasible as growth patterns and technological advancements evolve, allowing the City to meet its 2035 emission cap while maintaining flexibility and responsiveness to real-world data and changing conditions.

Table 3.2: SSP – 2035 Reductions Existing vs New Development (MT GHG)

	Combined Reductions
Goal 1 - 1.1: Energy Audits in the Existing Residential Sector - Permits for Minor Modifications (Existing Development)	45
Goal 1 - 1.1: Energy Audits in the Existing Residential Sector- Permits for Major Modifications (Existing Development)	7,811
Goal 2 – 2.1: Exceed Energy Efficiency (New Development)	17,750
Goal 3 - 3.1: Energy Audis in the Existing Commercial Sector - Permits for Minor Modifications (Existing Development)	660
Goal 3 - 3.1: Energy Audis in the Existing Commercial Sector - Permits for Major Modifications (Existing Development)	8,010
Goal 4 - 4.1: Exceed Energy Efficiency Standards	12,337
Goal 5 - 5.1: Tree Planting for Shading and Energy Efficiency	22
Goal 5 - 5.2: Light Reflecting Surfaces on Existing Buildings	1
Goal 6 - 6.1: non-motorized Transportation	263
Goal 6 - 6.2: Implement Bicycle Master Plan	259
Goal 7 - 7.1: Electric Vehicle Chargers Program	47,414
Goal 8 - 8.1: Traffic Flow Improvement Program	2,130
Goal 9 - 9.1: Reduce Waste to Landfills	8,238
Goal 10 - 10.1: Distributed Renewable Energy Generation	2,783
Goal 11 - 10.2: Community Choice Aggregation Program	56,532
Total Reductions	**164,655**

Table 3.3: SSP – Efficiency Threshold

	2035
2035 Projected Emissions from Population	**171,888**
Population	**84,200**
GHG Reductions per Service Population	**2.04[3]**

1. Population 2005
2. Difference between 2005 population and 2035 Population of 84,200
3. 2035 Emissions divided by the 2035 Population

3.4 Framework for CEQA Analysis

A number of agencies throughout the state, including multiple air districts, have drafted and/or adopted varying threshold approaches and guidelines for analyzing GHG emissions and global climate change in CEQA documents. The State of California has developed

guidelines to address the significance of climate change impacts based on Appendix G of the CEQA Guidelines

Appendix G of the CEQA Guidelines

Appendix G of the CEQA Guidelines was revised December 28, 2018. According to Appendix G, a project would have a significant environmental impact related to GHGs if it would:

1. *Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.*

2. *Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.*

For purposes of this analysis, the two Appendix G checklist questions set forth above are utilized as the thresholds of significance when evaluating the environmental effects of the project's GHG emissions.

CEQA Guidelines 15064.4(b) clarifies that "[a]n iron clad definition of significant effect is not always possible because the significance of an activity may vary with the setting." Therefore, consistent with CEQA Guidelines 15064.4, the GHG analysis for the Project appropriately relies upon a threshold based on the exercise of careful judgement and believed to be appropriate in the context of this particular project. Section 15064.4(b) further states a lead agency should consider the following non- exclusive list of factors when assessing the significance of GHG emissions:

1. The extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting;
2. The extent to which project emissions exceed a threshold of significance that the lead agency determines applies to the project; and
3. The extent to which the project complies with regulations or requirements adopted to implement statewide, regional, or local plans for the reduction or mitigation for GHG emissions.

4.0 METHODOLOGY

4.1 Construction CO_2e Emissions Calculation Methodology

The construction schedule for the Project, developed in consultation with the Project Engineer, is expected to start in August 2025 and be completed by early 2029. This timeline reflects the shortest feasible duration, though market demand may extend the schedule. Regardless, the construction intensity should be essentially the same to construct the Project. Construction activities will generate GHG emissions from off-road equipment, on-road hauling and vendor trucks, and worker commute vehicles. A single CalEEMod 2022.1.1.29 model was prepared for the entire project as follows North Area Residential (NAR), West Area Residential (WAR) and Hotel/Golf Course. Details of the modeling to include construction phases, equipment quantities, and schedules are provided in ***Attachment A*** to this report. The City of Santee recommends using CalEEMod 2022.1.1.29 for this modeling.

The Construction activities will require as much as 279,020 Cubic Yards (CY) of soil import which will require as many as 111 daily round truck trips traveling up to 4 miles in each direction.

Based on the modeling results, the total construction emissions would generate 2,958.68 MT CO_2e. Also, in accordance with South Coast Air Quality Management District (SCAQMD) recommendations, to account for emissions generated over the assumed project lifetime (30-Years), GHG construction emissions were annualized (SCAQMD, 2008). The annualized GHG emission would be 98.63 MT CO_2e.

4.2 Operational Emissions Calculation Methodology and Calculations

SSP Analysis for CEQA Compliance

The existing COCCR development was built between the 1950s and 1989. At that time, the facilities constructed lacked advanced energy-saving technologies and would now be considered inefficient by modern standards. As highlighted in Section 3.3 of this analysis, since the proposed Project aligns with the General Plan, it necessitates compliance with the SSP Checklist, as detailed in the same section. However, taking a cautious approach, this analysis also establishes a numerical threshold to cap the overall proposed Project's GHG emissions, keeping them within the expected emissions from the existing development. Consequently, the proposed Project, entailing the demolition and reconstruction of the COCCR and the addition of 236 multi-family and six single-family residential units, must adhere to all

SSP Checklist requirements and ensure that its GHG emissions remain below the established threshold.

The current COCCR facility emits GHGs through its daily operations, including energy consumption from electricity and natural gas, vehicle emissions from onsite traffic, waste management, water usage, and emissions from onsite landscaping activities. These emissions are quantified using CalEEMod 2022.1.1.29. Ideally, energy and water usage data for this existing site would reflect conditions from 1989, the last renovation year of the COCCR. CalEEMod's earliest applicable model year for modeling is 2010. However, to be conservative, emissions from the existing COCCR's operations were calculated based on a 2021 operational year scenario which could be less water and energy intensive than expected within the existing development. Default settings were applied within CalEEMod for existing GHG sources, except for mobile trip estimates, which were provided by the Project Traffic Engineer at 1,588 daily trips covering 10,092 vehicle miles traveled (VMT) (Intersecting Metrics, 2025) included as ***Attachment B*** to this report. The CalEEMod input/output file for the existing onsite uses is provided as ***Attachment C***.

Additionally, a separate model was developed for the proposed COCCR operations, incorporating all PDFs identified in Section 1.2 of this report. Assuming the 2028 operational year, traffic for the proposed Project was estimated at 3,536 trips and 25,710 VMT as indicated in the total vehicle miles traveled analysis memo (Intersecting Metrics, 2025). It should be noted that the 3,536 trips and VMT estimates include the existing operations. This CalEEMod input/output is provided as ***Attachment D*** to this report and for consistency also includes the Project construction emissions discussed in 4.1 above.

CalEEMod 2022.1.1.29 utilizes the (2019) Title 24 building standards as defaults, although the project will need to comply with the latest Title 24 standards in effect at the time building permits are issued. Since the (2022) Title 24 building standards are currently in effect and offer increased efficiencies, this analysis is a conservative approach.

The proposed COCCR Project aims to incorporate several key PDFs to reduce GHG emissions. These PDFs, outlined below, encompass a range of strategies aimed at enhancing energy efficiency, promoting sustainable transportation, and implementing environmentally conscious practices across the development. Following each PDF, we provide an overview of the methodology in italic text used to assess the anticipated GHG emissions reductions associated with its implementation.

PDF 1: The Proposed Project will comply with the California Title 24 Energy Code (2022) or in effect at the time of building permit application. The following energy efficient items will be included in all residential units: improved HVAC systems with sealed

(tight) air ducts; enhanced ceiling, attic and wall insulation; install energy conserving appliances such as whole house fans; high-efficiency water heaters (tankless water heaters); energy-efficient three coat stucco exteriors; energy efficient appliances; programmable thermostat timers; and high-efficiency window glazing.

GHG emissions reductions for PDF 1 were calculated within CalEEMod 2022.1.1.29 for the (2019) Title 24 standards. The Project will implement the latest Title 24 building standards when building permits are requested. Since Title 24 (2019) is used in CalEEMod, this PDF would generate fewer GHG reductions than expected for buildings constructed by the COCCR Project.

PDF 2: As a matter of regulatory compliance, the Project would comply with Section 5.106.5.2 of the CALGreen Code (2022) or in effect at the time of building permit application. The project will be required to provide designated parking for shared vehicles and clean-air vehicles as set forth in Section 5.106.5.2 of the CAL Green Code (2022). . . Currently the latest code applicable to this Project as of the date of this report is CALGreen Code (2022) which went into effect on January 1, 2023.

GHG emissions reductions for PDF 2 were calculated within CalEEMod 2022.1.1.29 for the (2019) CALGreen standards. The Project will implement the latest CALGreen standards when building permits are requested. Since 2019 CALGreen standards are used in CalEEMod, this PDF would generate fewer GHG reductions than expected for buildings constructed by the COCCR Project.

PDF 3: All uses onsite with the exception of the restaurant will be "All Electric". Natural gas will only be installed for the restaurant's use.

To establish GHG emissions reductions for PDF 3, we converted the natural gas energy usage estimated by CalEEMod for each land use (excluding the restaurant) from kBTU/year to electrical energy usage (in kWh/year) using a standard conversion rate of 3.412 kBTU/kWh. CalEEMod was manually updated to reflect the increased kWh per year. This approach is conservative, since electrical appliances tend to convert a higher proportion of energy into usable heat compared to gas appliances. Gas appliances typically generate waste heat. For example, a gas water heater is typically attached to exhaust pipes to expel waste heat or heat not transferred to the water. An electric water heater would not require an exhaust pipe. For simplicity, we assumed that all waste heat would be included in the converted electrical demand.

PDF 4: The Project will install Energy Star-rated Appliances for all residential appliances and will install Energy Star rated appliances such as refrigerators in the Hotel and Restaurant.

GHG emissions reductions for PDF 4 were calculated within CalEEMod based on the expected energy savings resulting from the use of Energy Star-rated appliances compared to conventional appliances. Specifically, this reduction measure was applied to the residential uses, hotel and restaurant.

PDF 5: Low-flow toilets, faucets, and shower heads will be installed throughout the entire project.

GHG emissions reductions for PDF 5 were estimated by including low flow fixtures for all toilets, urinals, showerheads, bathroom faucets, kitchen faucets, dishwashers. These reductions were calculated within CalEEMod and the results provide a reduction in water usage and reduction in the energy required for water heating, conveyance, and treatment.

PDF 6: Areas for storage and collection of recyclables and yard waste will be provided.

GHG emissions reductions for PDF 6 were assessed based on the reduction in emissions associated with proper waste management practices, including recycling and composting, thereby reducing landfill methane emissions.

Under AB 341 and the City's SSP to Reduce Waste, adopted in April 2017, the County would ultimately be required to increase diversion of waste from landfills for commercial waste. The Project would provide separate waste containers for all uses to allow for simpler material separations or would direct the Project residents to pay for a waste collection service that recycles materials offsite. Additionally, the Project would provide for green waste collection so that green waste is diverted from landfills and recycled as mulch. A City action goal would divert 70 percent of total waste from the landfill by 2030. This PDF ensures that the Project is consistent with this goal. To be conservative however, CalEEMod was updated to include only a 25 percent waste diversion which would reduce waste GHG emissions by 25 percent. The calculations are provided within CalEEMod.

PDF 7: Every dwelling unit parking garage (242 units) will have Level 2 Electric Vehicle Supply Equipment (EVSE) installed.

The reduction in GHG emissions for PDF 9 was evaluated by examining the emissions decrease linked to promoting electric vehicle (EV) adoption through the installation of EV charging infrastructure.

The proposed project involves installing Level 2 charging stations (220-volt chargers) in the garages of each of the 242 residential units. It is anticipated that residents will utilize these convenient chargers, and this, along with current trends, is likely to encourage EV purchases, although it is not guaranteed. Consequently, we adopted a conservative approach to estimate GHG reductions from EV chargers in residential garages. We based our assumptions on the EV purchase targets outlined in EO B-48-18.

In January 2018, EO B-48-18 was signed to "boost the supply of zero-emission vehicles and charging and refueling stations in California." This executive order sets milestones aiming for 1.5 million ZEVs on California's roads by 2025 and 5 million by 2030 (Office of Governor Edmund G. Brown Jr., 2018)*. These numbers are expected to be significantly higher by 2035 and beyond, due to EO N-79-20 and ACC II. In 2029 the expected 5 million EV goal would equate to 4.3 million EV in 2029.*

Based on the EMFAC2021 projections for the year 2029, California would have 29.6 million vehicles on the road; EMFAC2021 for the 2029 scenario assumes that 2.02 million of those vehicles would be electric. The 4.3 million EV in 2029 would increase the electric vehicle to 14.53 percent of the market share. An increase of 7.70 percent over CalEEMod to achieve the 14.53 percent total. The EMFAC output model and calculations are provided as ***Attachment E*** *to this report.*

The CalEEMod 2022.1.1.29 output file for the Proposed Project is provided as ***Attachment D*** *to this report. From this project output, it was found that mobile emissions from residential uses (which include the 6.83 percent EV reductions) are 1,972.9 MT CO_2e. Since the total reductions expected from this PDF would be 14.53 percent, a reduction of an additional 151.27 MT CO_2e would be expected or (1,973 MT CO_2e times 7.70 percent).*

The increased EV would also require electricity to charge these EVs and requires some general assumptions related to EV efficiency. According to EV-Database.org, the average Energy Consumption for consumer EVs is 188 Wh/km (0.302 kWh/mile). Based on yearly VMT estimates in CalEEMod, the residential component of the Project would generate 5,700,536 miles annually. 7.70 percent of these miles would be from EV or 438,941.3 miles annually. Therefore, charging the additional EV would consume 132,560 kWh annually.

This electrical energy is not included in CalEEMod but can be calculated by taking the total estimated GHG emissions from electricity in CalEEMod (120 MT CO_2e)) and dividing that number by the total proposed COCCR electrical consumption also in CalEEMod outputs (5,618,387 kWh) to establish a GHG emission rate per kWh

*consumed onsite which is 2.138 x 10^{-5} MT CO_2e per kWh. At this rate, the EV Charging from this PDF would generate about 2.83 MT CO_2e or (132,560 kWh*2.138 x 10^{-5} MTCO_2e per kWh).*

PDF 8: 45 percent of all non-residential parking spaces will be Electric Vehicle (EV) capable (132 Spaces) and 33 percent of these EV capable parking spaces will have EVSE installed (44 Units).

GHG emissions reductions for PDF 8 were evaluated based on the anticipated increase in EV adoption resulting from the provision of EV-capable parking spaces and the installation of EV charging stations.

The SSP estimates that by 2030, 3,000 EV Chargers will be installed and would account for a reduction of 21,723 MT CO_2e and by 2035 as many as 4,500 EV Chargers will be installed which would reduce GHG emissions by 47,414 MT CO_2e. Given this, each EV Charger is shown to reduce GHG emissions by at least 7.24 MT CO_2e each. The Project will install 44 EV Chargers within the common area parking which would account for a GHG avoidance of 318.6 MT CO_2e.

PDF 9: The Project will plant approximately 645 new trees within the development or 414 new trees in the residential development, 60 new trees on the golf course, and 171 new trees at the hotel site and access road.

GHG emissions reductions for PDF 9 are expected, however credit was not taken into account in this analysis.

PDF 10: The Project would install at least 1,168 kW of solar onsite (1,089 kW on the residential units and 79 kW on the new resort). This exceeds the SSP requirements from Goal 10 as shown below.
To be conservative, GHG emissions reductions for PDF 10 are expected, however credit was not taken into account in this analysis.

It should be noted that under the SSP the Project would be required to install 1 kW per unit for each multi-family unit, 2 kW per unit for each single-family unit and 1.5 kW per square foot for commercial buildings. Under the SSP, 236 kW would be required for the multi-family development, 12 kW would be required for the single-family housing units and roughly 79 kW for the commercial development 51,926 SF of commercial facilities. Given this, the SSP would call for at least 326 kW in total.

5.0 FINDINGS

5.1 Project Related Construction Emissions

Based on the construction model outputs shown in Table 5.1 below, construction of the Project will produce approximately 2,645.70 MT CO_2e. Since GHG emissions are typically reported on an annual basis, it is acceptable to average the total construction emission over the life of the Project, which is assumed to be 30 years. This methodology is recommended by the South Coast Air Quality Management District (SCAQMD, 2008). Based on this, Project construction would result in 88.19 MT of GHG emissions per year. The CalEEMod output file for the COCCR Project is provided as ***Attachment D*** to this report.

Table 5.1: Expected Construction CO2e Emissions Summary MT/Year

Year	NBio-CO2	Total CO2	CH4	N2O	CO2e
2025	197.00	197.00	0.01	0.03	206.00
2026	547.00	547.00	0.02	0.03	556.00
2027	1,113.00	1,113.00	0.05	0.03	1,123.00
2028	742.00	742.00	0.03	0.03	751.00
2029	9.53	9.53	< 0.005	< 0.005	9.70
Total					**2,645.70**
Yearly Average Construction Emissions (Metric Tons/year over 30 years)					**88.19**

The existing COCCR site is fully constructed, meaning that no further construction activities are required. Consequently, construction emissions for the existing site are not applicable and are assumed to be zero MT CO_2e. This assumption is based on the fact that all construction-related emissions have already occurred in the past and are not relevant to the current analysis of ongoing operational GHG emissions.

5.2 Existing COCCR Operational Emissions

CalEEMod 2022.1.1.29 was utilized for operational emission calculations and reflects manual input updates to reflect the estimated traffic emissions and expected daily VMT estimated by the Project Traffic Memo (Intersecting Metrics, 2025). The GHG outputs are shown in Table 5.2 below. The GHG emissions estimates from CalEEMod are provided in ***Attachment C*** to this report. Based on these findings, the existing COCCR would generate 2,387.76 MT CO_2e annually.

Table 5.2: Existing Operational GHG Emissions Summary MT/Year

Source	Total CO_2	CH_4	N_2O	CO_2e (MT/Yr)
Mobile	1,496.00	0.10	0.07	1,523.00
Area	9.22	< 0.005	< 0.005	9.26
Energy	550.00	0.04	< 0.005	552.00
Water	205.00	0.14	< 0.005	210.00
Waste	26.70	2.67	-	93.50
Operations Total				**2,387.76**

Data is presented in decimal format and may have rounding errors.

5.3 Proposed COCCR Operational Emissions

CalEEMod 2022.1.1.29 was primarily utilized for operational emission calculations for the proposed COCCR project. In addition, manual calculations were required to estimate GHG emissions not included in the GHG model. Table 5.3 shows GHG emissions from both annual construction and operations as well as emissions manually calculated, which are outlined in Section 4.2 of this report.

Based on these findings, the proposed COCCR Project would generate a total of 3,632.65MT CO_2e, including both operational and construction emissions. This total does not consider the existing development, which generates 2,387.76 MT CO_2e as part of the baseline GHG inventory. Any emissions beyond this baseline are considered new project emissions. The difference in emissions without project design features (PDF) is 1,244.89 MT CO_2e.

As shown in Table 5.3 below, the proposed COCCR Project would generate 7777.21MT CO_2e and add 686 people (242 homes times 2.83 people per home) (City of Santee, 2022) within the residential development. This results in the Project generating 1.13 MT CO_2e per service population. Since the City must limit the Project's GHG emissions to 2.04 MT CO_2e per SP, the Project would have a less than significant GHG impact. The GHG emissions estimates from CalEEMod are provided in ***Attachment D*** of this report.

Table 5.3: Expected Operational Emissions Summary MT/Year

Source	Total CO_2	CH_4	N_2O	CO2e (MT/Yr)
Mobile	3,209.00	0.16	0.14	3,257.00
Area	9.22	< 0.005	< 0.005	9.26
Energy	137.00	0.09	0.01	142.00
Water	21.50	0.35	0.01	33.20
Waste	29.40	2.94	0.00	103.00
Operations Total				3,544.46
Construction Emission				97.82
Total Proposed COCCR GHG Emissions (Project)				**3,632.65**
Existing COCCR GHG Emissions				**2,387.76**
Difference				**1,244.89**
PDF 7: Installation of 242 Garage EV Chargers				-151.91
PDF 7: Increased Electrical Energy from EV Chargers				2.83
PDF 8: Installation of 44 onsite EV Chargers				-318.6
Proposed COCCR GHG Emissions after PDFs				**777.21**
Service Population (242 times 2.83 people per home)				**686**
MT / SP				**1.13**

Data is presented in decimal format and may have rounding errors.

In addition, the Project will plant approximately 645 new trees within the development or 414 new trees in the residential development, 60 new trees on the golf course, and 171 new trees at the hotel site and access road. GHG reductions from these trees are expected however, due to the variability in how each tree sequesters carbon, no credit was taken.

The City, as part of the SSP, has determined GHG reductions through the installation of PV solar systems for both existing and new construction is required. Measure 10.1 of the City's SSP, detailed in Table 20 of the SSP, outlines the anticipated reductions from PV installations. The SSP requires all new developments to install a minimum of 2 kW per single-family residential unit, 1 kW per multi-family residential unit, and 1.5 W per square foot of nonresidential space. As noted, a Project design feature to install at least 1,168 kW of PV on the residential and nonresidential uses.

This is based on memorandums provided by the applicant, the PV system was evaluated using the proposed architecture plans and plotting for both the residential Planning Areas and the resort buildings at the proposed Carlton Oaks Golf Course. The result of that evaluation is that a PV system sized at 4.5 kW per home which equates to 1,089 kW, will work based on the current product type. A system capable of 79 kW will work on the resort buildings with at total solar size of 1,168 kW. The PV installation memorandums are provided as ***Attachment***

E to this report. This will exceed the SSP requirements. To be conservative, no additional GHG reductions have been calculated or applied to the Project's emission reductions. It is anticipated that the installation of the PV system will reduce the per capita emissions.

5.4 CEQA Compliance

SB 97 directed amendments to the CEQA statute to specifically establish that GHG emissions and their impacts are appropriate subjects for CEQA analysis. Under SB 97 the project should be able to answer the following questions for CEQA compliance.

1. Will the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

The City is committed to reducing its GHG emissions consistent with SB 32. Based on this requirement, the SSP concludes that a proposed Project consistent with the General Plan would be required to implement all features within the SSP Checklist. The Project implemented a number of PDFs intended to meet or exceed SSP requirements. Based on this requirement alone, the Project does not directly or indirectly have GHG impacts on the environment and would have less than significant impacts under CEQA.

The existing COCCR development generates approximately 2,387.76 MT CO_2e per year. Therefore, the additional emissions from the Project amount to 777.21 MT CO_2e above the existing COCCR development. The project would add 686 people, resulting in a project-initiated GHG emission rate of 1.13 MT CO_2e per SP. The City's threshold is 2.04 MT CO_2e per SP.

Taking a cautious approach, in addition to being consistent with the SSP, the Project has also demonstrated that the proposed COCCR would generate fewer GHG emissions the 2.04 MT CO_2e efficiency thresholds. The proposed Project, including the demolition and reconstruction of the COCCR and the addition of 236 multi-family and six single-family residential units, will remain below the City's GHG emissions efficiency threshold.

As noted, the Project would also be consistent with the SSP Checklist which is provided as ***Attachment G*** to this report.

2. Will the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

The proposed COCCR development was found to emit 777.21 MT CO_2e per year after implementation of the Project PDFs. This works out to roughly 1.13 MT CO_2e per SP for the

Project which would be considerably less than the 2.04 MT CO_2e per SP threshold necessary for the City to maintain the goals planned in this report. In addition, the proposed COCCR development is consistent with the City's General Plan and implements the SSP Checklist per the requirements of the Plan. Therefore, the Project would not conflict with the City's Plans, Policies or regulations adopted for the purpose of reducing GHGs.

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ATTACHMENT A

Carlton Oaks Country Club and Resort – Construction Modeling Assumptions

Attachment A: Carlton Oaks Country Club - Expected Construction Equipment

Equipment Identification	Proposed Start	Proposed Complete	Quantity
Project Import	8/4/2025	2/6/2026	
Crawler Tractors			1
Project Paving	7/13/2027	1/14/2028	
Pavers			2
Paving Equipment			2
Rollers			2
NAR-Demolition	7/1/2026	9/8/2026	
Concrete/Industrial Saws			1
Excavators			1
Crawler Tractors			1
NAR-Grading	8/1/2026	11/6/2026	
Graders			1
Rubber Tired Dozers			1
Scrapers			2
Crawler Tractors			2
NAR - Wet Utilities	11/10/2026	7/12/2027	
Excavators			2
Tractors/Loaders/Backhoes			2
Rubber Tired Loaders			2
NAR - Dry Utilities	2/27/2027	8/24/2027	
Skid Steer Loaders			1
Rollers			1
Tractors/Loaders/Backhoes			1
NAR-Building Construction	5/1/2027	1/12/2029	
Forklifts			2
Tractors/Loaders/Backhoes			2
Welders			1
Rough Terrain Forklifts			1
NAR-Architectural Coating	8/1/2028	1/12/2029	
Air Compressors (Electric)			1
WAR-Grading	8/1/2026	10/23/2026	
Graders			1
Rubber Tired Dozers			1
Scrapers			2
Crawler Tractors			2
WAR - Wet Utilities	11/10/2026	4/26/2027	
Excavators			2
Tractors/Loaders/Backhoes			2
Rubber Tired Loaders			2
WAR - Dry Utilities	2/27/2027	7/16/2027	
Skid Steer Loaders			1
Rollers			1
Tractors/Loaders/Backhoes			1
WAR-Building Construction	5/1/2027	12/3/2028	
Forklifts			2
Tractors/Loaders/Backhoes			2

Welders			1
Rough Terrain Forklifts			1
WAR-Architectural Coating	9/1/2028	12/3/2028	
Air Compressors (Electric)			1
Hotel/Golf Course-Grading Excavation	8/1/2026	4/28/2027	
Rubber Tired Dozers			1
Graders			1
Scrapers			1
Crawler Tractors			1
Hotel/Golf Course-Grading	3/24/2027	11/30/2027	
Graders			1
Rubber Tired Dozers			1
Scrapers			2
Crawler Tractors			2
Hotel/Golf Course-Finish	4/2/2028	6/6/2028	
Graders			1
Crawler Tractors			1
Scrapers			1
Hotel/Golf Course-Clubhouse Construction	12/1/2027	4/29/2028	
Cranes			1
Forklifts			1
Tractors/Loaders/Backhoes			2
Welders			1
Rough Terrain Forklifts			1
Hotel/Golf Course- Clubhouse Architectural Coa	3/1/2028	3/29/2028	
Air Compressors (Electric)			1
Hotel/Golf Course - Hotel Construction	4/9/2028	11/15/2028	
Cranes			1
Forklifts			1
Tractors/Loaders/Backhoes			2
Welders			1
Rough Terrain Forklifts			1
Hotel/Golf Course-Hotel Architectural Coating	11/20/2028	12/26/2028	
Air Compressors (Electric)			1

ATTACHMENT B

Carlton Oaks Country Club and Resort – Total Vehicle Miles Traveled Analysis

MEMORANDUM

To: Dave Shepherd, Lennar Homes
From: Stephen Cook, TE, Intersecting Metrics
Date: January 17, 2025
Regarding: **Carlton Oaks Country Club and Resort – Total Vehicle Miles Traveled Analysis**

The purpose of this memo is to calculate the total vehicle miles traveled (VMT) generated by the Carlton Oaks Country Club and Resort (Proposed Project) under both existing and with project conditions.

Existing Uses

Table 1 outlines the existing uses located on the Carlton Oaks Country Club and Resort site as well as their estimated daily trip generation. Trip Generation rates were derived from SANDAG's *(not so) Brief Guide of Vehicular Traffic Generation Rates For the San Diego Region.*

Table1 – Trip Generation - Existing Uses

Land Use	Units	Trip Rate	ADT
Golf Course	1 Course	700/Course	700
Hotel (W/Convention Facilities/Restaurant)	52 Room	10/Room	520
Restaurant (Quality)	3,675 SF	100/KSF	368
Total			1,588

Table 2 calculates the average daily VMT currently being generated by the Carlton Oaks Country Club and Resort site. Average vehicular trip lengths were derived from SANDAG's *(not so) Brief Guide of Vehicular Traffic Generation Rates For the San Diego Region.*

Table 2 - VMT Generation - Existing Uses

Land Use	ADT	Ave Trip Length	VMT
Golf Course	700	6.3	4,410.0
Hotel	520	7.6	3,952.0
Restaurant	368	4.7	1,729.6
Total			10,091.6

Proposed Project

Table 3 outlines the Proposed Project land uses, as well as the daily trip generation that would be associated with the Proposed Project. It should be noted that the Proposed Project Transportation Impact Analysis did not include the Golf Course because it is an existing use and would be captured within the baseline traffic volumes. The Proposed Project Transportation Impact Analysis did include the hotel and restaurant uses since they will be redeveloped and modernized. Trip Generation rates were derived from SANDAG's *(not so) Brief Guide of Vehicular Traffic Generation Rates For the San Diego Region.*

Table 3 – Trip Generation – Proposed Project

Land Use	Units	Trip Rate	ADT
Golf Course	1 Course	700/Course	700
Multi-Family (6-20 DU/Acre)	236 DU	8/DU	1,888
Single Family Detached Housing	6 DU	10/DU	60
Hotel (W/Convention Facilities/Restaurant)	52 Room	10/Room	520
Restaurant (Quality)	3,675 SF	100/KSF	368
Total			3,536

Table 4 calculates the average daily VMT generation that would be associated with the residential portion of the Proposed Project. The assumed people per household data is based on US Census for the City of Santee. The VMT per Capita was derived from the SANDAG Series 14 transportation forecast model, using the Traffic Analysis Zone (TAZ) in which the Proposed Project is located.

Table 4 - VMT Generation – Proposed Project Residential Uses

Land Use	Units	People / HH	People	VMT / Capita	VMT
Western Residential	86	2.83	244	22.8	5,563.2
Northern Residential	156	2.83	442	22.8	10,077.6
Total			686		15,640.8

Table 5 calculates the average daily VMT that is anticipated to be generated by the golf course and club house portion of the Proposed Project. Average vehicular trip lengths were derived from SANDAG's *(not so) Brief Guide of Vehicular Traffic Generation Rates For the San Diego Region.*

Table 5 - VMT Generation – Golf Course and Club House

Land Use	ADT	Ave Trip Length	VMT
Golf Course	700	6.3	4,410.0
Hotel	520	7.6	3,952.0
Restaurant	368	4.7	1,729.6
Total			10,091.6

Conclusion

The Carlton Oaks Country Club and Resort site is estimated to currently generate 10,091.6 miles of vehicular travel a day. With the implementation of the Proposed Project the daily VMT is anticipated to increase by 15,640.8 miles for a total average VMT generation of 25,732.4 miles of vehicular travel a day.

ATTACHMENT C

CalEEMod 2022.1 – Existing COCCR Development

Carlton Oaks Existing_Unmitigated v2 Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	Carlton Oaks Existing_Unmitigated v2
Operational Year	2021
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	7.60
Location	32.84031356853605, -117.01200407659489
County	San Diego
City	Santee
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6540
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Golf Course	145	Acre	145	0.00	4,530,240	4,530,240	—	—
Other Asphalt Surfaces	106	1000sqft	2.43	0.00	0.00	0.00	—	—

Racquet Club	23.3	1000sqft	0.54	23,325	0.00	0.00	—	—
Hotel	52.0	Room	1.73	75,504	92,482	0.00	—	—
Quality Restaurant	3.67	1000sqft	0.08	3,675	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.2	13.4	6.79	88.4	0.10	0.19	7.13	7.31	0.18	1.81	1.99	169	14,025	14,194	17.8	0.46	14,942
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.9	13.2	7.34	86.6	0.10	0.19	7.13	7.31	0.18	1.81	1.99	169	13,603	13,772	17.8	0.48	14,487
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.6	12.9	7.20	74.9	0.10	0.18	7.09	7.28	0.18	1.80	1.98	169	13,643	13,812	17.8	0.48	14,543
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.48	2.35	1.31	13.7	0.02	0.03	1.29	1.33	0.03	0.33	0.36	27.9	2,259	2,287	2.95	0.08	2,408

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.28	7.70	5.34	49.2	0.09	0.08	7.13	7.21	0.08	1.81	1.89	—	9,395	9,395	0.57	0.41	9,576
Area	5.73	5.68	0.20	38.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	3,321	3,321	0.24	0.02	3,332
Water	—	—	—	—	—	—	—	—	—	—	—	7.31	1,230	1,237	0.82	0.03	1,266
Waste	—	—	—	—	—	—	—	—	—	—	—	161	0.00	161	16.1	0.00	565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124
Total	14.2	13.4	6.79	88.4	0.10	0.19	7.13	7.31	0.18	1.81	1.99	169	14,025	14,194	17.8	0.46	14,942
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.03	7.42	5.88	47.5	0.09	0.08	7.13	7.21	0.08	1.81	1.89	—	8,973	8,973	0.62	0.44	9,121
Area	5.73	5.68	0.20	38.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	3,321	3,321	0.24	0.02	3,332
Water	—	—	—	—	—	—	—	—	—	—	—	7.31	1,230	1,237	0.82	0.03	1,266
Waste	—	—	—	—	—	—	—	—	—	—	—	161	0.00	161	16.1	0.00	565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124
Total	13.9	13.2	7.34	86.6	0.10	0.19	7.13	7.31	0.18	1.81	1.99	169	13,603	13,772	17.8	0.48	14,487
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.94	7.34	5.80	47.1	0.09	0.08	7.09	7.18	0.08	1.80	1.88	—	9,036	9,036	0.60	0.43	9,200
Area	5.50	5.46	0.14	26.7	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	55.7	55.7	< 0.005	< 0.005	55.9
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	3,321	3,321	0.24	0.02	3,332
Water	—	—	—	—	—	—	—	—	—	—	—	7.31	1,230	1,237	0.82	0.03	1,266
Waste	—	—	—	—	—	—	—	—	—	—	—	161	0.00	161	16.1	0.00	565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124
Total	13.6	12.9	7.20	74.9	0.10	0.18	7.09	7.28	0.18	1.80	1.98	169	13,643	13,812	17.8	0.48	14,543
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	1.45	1.34	1.06	8.60	0.02	0.02	1.29	1.31	0.01	0.33	0.34	—	1,496	1,496	0.10	0.07	1,523
Area	1.00	1.00	0.03	4.88	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.22	9.22	< 0.005	< 0.005	9.26
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	550	550	0.04	< 0.005	552
Water	—	—	—	—	—	—	—	—	—	—	—	1.21	204	205	0.14	< 0.005	210
Waste	—	—	—	—	—	—	—	—	—	—	—	26.7	0.00	26.7	2.67	0.00	93.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.5
Total	2.48	2.35	1.31	13.7	0.02	0.03	1.29	1.33	0.03	0.33	0.36	27.9	2,259	2,287	2.95	0.08	2,408

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	3.64	3.39	2.34	21.6	0.04	0.04	3.12	3.15	0.03	0.79	0.82	—	4,108	4,108	0.25	0.18	4,187
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	2.84	2.62	2.00	18.5	0.04	0.03	2.79	2.82	0.03	0.71	0.74	—	3,661	3,661	0.20	0.15	3,729
Quality Restaurant	1.80	1.69	1.00	9.14	0.02	0.01	1.22	1.24	0.01	0.31	0.32	—	1,626	1,626	0.11	0.08	1,660
Total	8.28	7.70	5.34	49.2	0.09	0.08	7.13	7.21	0.08	1.81	1.89	—	9,395	9,395	0.57	0.41	9,576

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	3.53	3.27	2.58	20.8	0.04	0.04	3.12	3.15	0.03	0.79	0.82	—	3,923	3,923	0.27	0.19	3,988
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	2.76	2.53	2.21	17.6	0.03	0.03	2.79	2.82	0.03	0.71	0.74	—	3,495	3,495	0.22	0.16	3,550
Quality Restaurant	1.74	1.63	1.10	9.05	0.02	0.02	1.22	1.24	0.01	0.31	0.32	—	1,554	1,554	0.13	0.08	1,583
Total	8.03	7.42	5.88	47.5	0.09	0.08	7.13	7.21	0.08	1.81	1.89	—	8,973	8,973	0.62	0.44	9,121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	0.64	0.59	0.46	3.77	0.01	0.01	0.57	0.57	0.01	0.14	0.15	—	654	654	0.04	0.03	666
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.50	0.46	0.40	3.20	0.01	0.01	0.51	0.51	0.01	0.13	0.13	—	583	583	0.04	0.03	593
Quality Restaurant	0.31	0.29	0.20	1.63	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	259	259	0.02	0.01	264
Total	1.45	1.34	1.06	8.60	0.02	0.02	1.29	1.31	0.01	0.33	0.34	—	1,496	1,496	0.10	0.07	1,523

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	310	310	0.02	< 0.005	311
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.08	0.01	1,317
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	194	194	0.01	< 0.005	194
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,815	1,815	0.11	0.01	1,822
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	310	310	0.02	< 0.005	311
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.08	0.01	1,317
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	194	194	0.01	< 0.005	194
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,815	1,815	0.11	0.01	1,822
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00

Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	51.3	51.3	< 0.005	< 0.005	51.4
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	217	217	0.01	< 0.005	218
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	32.1	32.1	< 0.005	< 0.005	32.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	301	301	0.02	< 0.005	302

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.03	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	302	302	0.03	< 0.005	303
Hotel	0.10	0.05	0.90	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,071	1,071	0.09	< 0.005	1,074
Quality Restaurant	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,505	1,505	0.13	< 0.005	1,510
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Racquet Club	0.03	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	302	302	0.03	< 0.005	303
Hotel	0.10	0.05	0.90	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,071	1,071	0.09	< 0.005	1,074
Quality Restaurant	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,505	1,505	0.13	< 0.005	1,510
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.0	50.0	< 0.005	< 0.005	50.1
Hotel	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	177	177	0.02	< 0.005	178
Quality Restaurant	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	22.0
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	249	249	0.02	< 0.005	250

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.78	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.78	0.73	0.20	38.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Total	5.73	5.68	0.20	38.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.78	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.78	0.73	0.20	38.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Total	5.73	5.68	0.20	38.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.87	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.10	0.09	0.03	4.88	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.22	9.22	< 0.005	< 0.005	9.26
Total	1.00	1.00	0.03	4.88	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.22	9.22	< 0.005	< 0.005	9.26

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	1,181	1,181	0.07	0.01	1,185
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	2.64	13.9	16.5	0.27	0.01	25.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.53	24.1	26.7	0.26	0.01	35.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.14	11.2	13.4	0.22	0.01	20.4
Total	—	—	—	—	—	—	—	—	—	—	—	7.31	1,230	1,237	0.82	0.03	1,266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	1,181	1,181	0.07	0.01	1,185
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	2.64	13.9	16.5	0.27	0.01	25.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.53	24.1	26.7	0.26	0.01	35.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.14	11.2	13.4	0.22	0.01	20.4
Total	—	—	—	—	—	—	—	—	—	—	—	7.31	1,230	1,237	0.82	0.03	1,266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	196	196	0.01	< 0.005	196

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	0.44	2.30	2.74	0.05	< 0.005	4.19
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.42	3.99	4.41	0.04	< 0.005	5.80
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.35	1.86	2.21	0.04	< 0.005	3.38
Total	—	—	—	—	—	—	—	—	—	—	—	1.21	204	205	0.14	< 0.005	210

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	72.7	0.00	72.7	7.26	0.00	254
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	71.7	0.00	71.7	7.16	0.00	251
Hotel	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	53.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.81	0.00	1.81	0.18	0.00	6.32
Total	—	—	—	—	—	—	—	—	—	—	—	161	0.00	161	16.1	0.00	565
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Golf Course	—	—	—	—	—	—	—	—	—	—	—	72.7	0.00	72.7	7.26	0.00	254
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	71.7	0.00	71.7	7.16	0.00	251
Hotel	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	53.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.81	0.00	1.81	0.18	0.00	6.32
Total	—	—	—	—	—	—	—	—	—	—	—	161	0.00	161	16.1	0.00	565
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	12.0	0.00	12.0	1.20	0.00	42.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	11.9	0.00	11.9	1.19	0.00	41.5
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.54	0.00	2.54	0.25	0.00	8.89
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.30	0.00	0.30	0.03	0.00	1.05
Total	—	—	—	—	—	—	—	—	—	—	—	26.7	0.00	26.7	2.67	0.00	93.5

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.74
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.74
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.95
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.5

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Golf Course	700	700	700	255,500	4,410	4,410	4,410	1,609,651

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	520	520	520	189,800	3,952	3,952	3,952	1,442,480
Quality Restaurant	368	368	368	134,138	1,727	1,727	1,727	630,446

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	153,756	51,252	6,360

5.10.3. Landscape Equipment

Equipment Type	Fuel Type	Number Per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Lawn Mowers	Gasoline 4-Stroke	1.00	8.00	2,050	19.0	0.36

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Golf Course	0.00	540	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00
Racquet Club	209,305	540	0.0330	0.0040	941,496

Hotel	887,046	540	0.0330	0.0040	3,342,904
Quality Restaurant	130,914	540	0.0330	0.0040	413,091

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Golf Course	0.00	150,445,884
Other Asphalt Surfaces	0.00	0.00
Racquet Club	1,379,514	0.00
Hotel	1,319,072	1,382,066
Quality Restaurant	1,115,486	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Golf Course	135	—
Other Asphalt Surfaces	0.00	—
Racquet Club	133	—
Hotel	28.5	—
Quality Restaurant	3.35	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Golf Course	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Golf Course	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Racquet Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Racquet Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.1	annual days of extreme heat
Extreme Precipitation	3.85	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.8	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	58.2
AQ-PM	43.8

AQ-DPM	56.0
Drinking Water	10.8
Lead Risk Housing	49.5
Pesticides	0.00
Toxic Releases	24.1
Traffic	53.7
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	79.8
Impaired Water Bodies	77.3
Solid Waste	37.6
Sensitive Population	—
Asthma	24.2
Cardio-vascular	17.7
Low Birth Weights	36.4
Socioeconomic Factor Indicators	—
Education	22.2
Housing	18.5
Linguistic	0.00
Poverty	15.6
Unemployment	37.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	81.09842166

Employed	86.50070576
Median HI	74.93904786
Education	—
Bachelor's or higher	51.50776338
High school enrollment	100
Preschool enrollment	37.5465161
Transportation	—
Auto Access	93.63531374
Active commuting	7.506736815
Social	—
2-parent households	45.15590915
Voting	80.50814834
Neighborhood	—
Alcohol availability	60.81098422
Park access	81.35506224
Retail density	11.76697036
Supermarket access	27.16540485
Tree canopy	19.70999615
Housing	—
Homeownership	78.22404722
Housing habitability	85.20467086
Low-inc homeowner severe housing cost burden	63.9291672
Low-inc renter severe housing cost burden	91.65918132
Uncrowded housing	41.84524573
Health Outcomes	—
Insured adults	76.20941871
Arthritis	0.0
Asthma ER Admissions	59.9

High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.8
Cognitively Disabled	66.4
Physically Disabled	83.0
Heart Attack ER Admissions	49.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	7.9
SLR Inundation Area	0.0
Children	59.5
Elderly	66.3
English Speaking	63.1
Foreign-born	14.9
Outdoor Workers	35.8

Climate Change Adaptive Capacity	—
Impervious Surface Cover	39.6
Traffic Density	53.8
Traffic Access	23.0
Other Indices	—
Hardship	35.9
Other Decision Support	—
2016 Voting	88.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	15.0
Healthy Places Index Score for Project Location (b)	74.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Operations: Vehicle Data	Project Trip Generation (Total Vehicle Miles Traveled Analysis) Memo July 2024
Operations: Hearths	no hearths exist.
Operations: Landscape Equipment	golf course

ATTACHMENT D

CalEEMod 2022.1 – Proposed COCCR Development

LDN - Carlton Oaks Proposed Project -Mitigated Detailed Report

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5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LDN - Carlton Oaks Proposed Project -Mitigated
Construction Start Date	8/4/2025
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	7.60
Location	32.84031356853605, -117.01200407659489
County	San Diego
City	Santee
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6540
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	236	Dwelling Unit	14.8	250,160	80,000	—	658	—

Golf Course	104	Acre	104	0.00	4,530,240	4,530,240	—	—
Parking Lot	292	Space	2.63	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	378	1000sqft	8.68	0.00	0.00	0.00	—	—
Racquet Club	23.3	1000sqft	0.54	23,325	0.00	0.00	—	—
Hotel	52.0	Room	1.73	75,504	92,482	0.00	—	—
Quality Restaurant	3.67	1000sqft	0.08	3,675	0.00	0.00	—	—
Single Family Housing	6.00	Dwelling Unit	1.95	11,700	70,277	—	17.0	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Energy	E-2	Require Energy Efficient Appliances
Water	W-4	Require Low-Flow Water Fixtures
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.1	45.7	53.4	0.11	1.95	9.96	11.9	1.78	2.75	4.53	—	13,767	13,767	0.59	0.70	14,001
Mit.	24.0	12.7	67.2	0.11	0.24	9.96	10.2	0.22	2.75	2.98	—	13,767	13,767	0.59	0.70	14,001
% Reduced	4%	72%	-26%	—	87%	—	14%	87%	—	34%	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.9	38.9	52.9	0.10	1.78	5.75	7.53	1.63	1.99	3.63	—	11,492	11,492	0.48	0.58	11,574
Mit.	39.3	12.3	66.7	0.10	0.20	5.75	5.93	0.20	1.99	2.17	—	12,073	12,073	0.50	0.58	12,156
% Reduced	2%	68%	-26%	-6%	88%	—	21%	87%	—	40%	—	-5%	-5%	-5%	—	-5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.00	20.9	31.2	0.05	0.78	2.24	3.02	0.72	0.69	1.41	—	6,540	6,540	0.27	0.17	6,600
Mit.	8.14	6.90	36.5	0.05	0.11	2.24	2.35	0.11	0.69	0.80	—	6,720	6,720	0.28	0.17	6,781
% Reduced	10%	67%	-17%	-3%	86%	—	22%	85%	—	44%	—	-3%	-3%	-3%	-1%	-3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.64	3.81	5.69	0.01	0.14	0.41	0.55	0.13	0.13	0.26	—	1,083	1,083	0.05	0.03	1,093
Mit.	1.49	1.26	6.65	0.01	0.02	0.41	0.43	0.02	0.13	0.15	—	1,113	1,113	0.05	0.03	1,123
% Reduced	10%	67%	-17%	-3%	86%	—	22%	85%	—	44%	—	-3%	-3%	-3%	-1%	-3%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.49	8.99	6.14	0.03	0.20	1.20	1.40	0.19	0.29	0.48	—	4,056	4,056	0.28	0.58	4,244
2026	4.96	45.7	43.4	0.11	1.95	9.96	11.9	1.78	2.75	4.53	—	13,767	13,767	0.59	0.70	14,001
2027	4.76	37.8	53.4	0.10	1.52	4.33	5.85	1.40	1.40	2.80	—	11,548	11,548	0.47	0.31	11,633
2028	25.1	30.1	48.3	0.08	1.00	1.52	2.48	0.92	0.37	1.28	—	10,243	10,243	0.39	0.27	10,340

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.47	9.28	6.14	0.03	0.20	1.20	1.40	0.19	0.29	0.48	—	4,053	4,053	0.28	0.58	4,234
2026	4.54	38.9	38.1	0.09	1.78	5.75	7.53	1.63	1.99	3.63	—	9,844	9,844	0.41	0.58	9,900
2027	4.75	37.9	52.9	0.10	1.52	4.33	5.85	1.40	1.40	2.80	—	11,492	11,492	0.48	0.26	11,574
2028	39.9	22.8	38.6	0.06	0.67	1.52	2.07	0.62	0.37	0.96	—	7,596	7,596	0.29	0.25	7,674
2029	13.3	5.00	10.4	0.02	0.10	0.93	1.03	0.09	0.23	0.31	—	2,443	2,443	0.09	0.13	2,484
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	2.70	1.79	0.01	0.06	0.35	0.41	0.06	0.09	0.14	—	1,189	1,189	0.08	0.17	1,243
2026	1.20	11.0	11.4	0.03	0.45	1.89	2.34	0.41	0.54	0.95	—	3,305	3,305	0.15	0.16	3,357
2027	2.68	20.9	31.2	0.05	0.78	2.24	3.02	0.72	0.69	1.41	—	6,540	6,540	0.27	0.17	6,600
2028	9.00	12.1	21.1	0.03	0.34	0.96	1.30	0.31	0.23	0.55	—	4,483	4,483	0.17	0.16	4,537
2029	0.31	0.12	0.24	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	57.6	57.6	< 0.005	< 0.005	58.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.49	0.33	< 0.005	0.01	0.06	0.07	0.01	0.02	0.03	—	197	197	0.01	0.03	206
2026	0.22	2.00	2.08	< 0.005	0.08	0.35	0.43	0.08	0.10	0.17	—	547	547	0.02	0.03	556
2027	0.49	3.81	5.69	0.01	0.14	0.41	0.55	0.13	0.13	0.26	—	1,083	1,083	0.05	0.03	1,093
2028	1.64	2.22	3.84	0.01	0.06	0.18	0.24	0.06	0.04	0.10	—	742	742	0.03	0.03	751
2029	0.06	0.02	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.53	9.53	< 0.005	< 0.005	9.70

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.29	7.21	6.12	0.03	0.07	1.20	1.26	0.07	0.29	0.36	—	4,056	4,056	0.28	0.58	4,244
2026	1.26	10.5	54.7	0.11	0.24	9.96	10.2	0.22	2.75	2.98	—	13,767	13,767	0.59	0.70	14,001

2027	1.83	12.7	67.2	0.10	0.20	4.33	4.53	0.20	1.40	1.60	—	12,128	12,128	0.50	0.32	12,215
2028	24.0	9.22	55.4	0.08	0.16	1.52	1.65	0.16	0.37	0.52	—	10,243	10,243	0.39	0.27	10,340
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.27	7.49	6.12	0.03	0.07	1.20	1.26	0.07	0.29	0.36	—	4,053	4,053	0.28	0.58	4,234
2026	1.07	7.29	49.5	0.09	0.17	5.75	5.93	0.17	1.99	2.17	—	9,844	9,844	0.41	0.58	9,900
2027	1.50	12.3	66.7	0.10	0.20	4.33	4.53	0.20	1.40	1.60	—	12,073	12,073	0.50	0.26	12,156
2028	39.3	8.28	41.7	0.06	0.12	1.52	1.61	0.12	0.37	0.46	—	7,596	7,596	0.29	0.25	7,674
2029	13.0	2.48	10.7	0.02	0.03	0.93	0.96	0.02	0.23	0.25	—	2,443	2,443	0.09	0.13	2,484
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.08	2.18	1.78	0.01	0.02	0.35	0.37	0.02	0.09	0.10	—	1,189	1,189	0.08	0.17	1,243
2026	0.32	2.83	14.0	0.03	0.06	1.89	1.95	0.05	0.54	0.60	—	3,305	3,305	0.15	0.16	3,357
2027	0.99	6.90	36.5	0.05	0.11	2.24	2.35	0.11	0.69	0.80	—	6,720	6,720	0.28	0.17	6,781
2028	8.14	4.53	23.1	0.03	0.07	0.96	1.03	0.07	0.23	0.30	—	4,483	4,483	0.17	0.16	4,537
2029	0.30	0.06	0.25	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	57.6	57.6	< 0.005	< 0.005	58.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.02	0.40	0.33	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	197	197	0.01	0.03	206
2026	0.06	0.52	2.56	< 0.005	0.01	0.35	0.36	0.01	0.10	0.11	—	547	547	0.02	0.03	556
2027	0.18	1.26	6.65	0.01	0.02	0.41	0.43	0.02	0.13	0.15	—	1,113	1,113	0.05	0.03	1,123
2028	1.49	0.83	4.21	0.01	0.01	0.18	0.19	0.01	0.04	0.05	—	742	742	0.03	0.03	751
2029	0.06	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.53	9.53	< 0.005	< 0.005	9.70

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	23.7	7.54	118	0.20	0.15	18.2	18.3	0.14	4.60	4.74	261	21,192	21,453	27.7	0.91	22,593
Mit.	23.7	7.54	118	0.20	0.15	18.2	18.3	0.14	4.60	4.74	198	21,154	21,352	21.4	0.90	22,330
% Reduced	—	—	—	—	—	—	—	—	—	—	24%	< 0.5%	< 0.5%	23%	1%	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.5	8.26	114	0.19	0.15	18.2	18.3	0.14	4.60	4.74	261	20,306	20,566	27.8	0.96	21,674
Mit.	23.5	8.26	114	0.19	0.15	18.2	18.3	0.14	4.60	4.74	198	20,267	20,465	21.4	0.95	21,411
% Reduced	—	—	—	—	—	—	—	—	—	—	24%	< 0.5%	< 0.5%	23%	1%	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.1	8.09	102	0.19	0.15	18.1	18.2	0.14	4.58	4.72	261	20,416	20,676	27.7	0.95	21,801
Mit.	23.1	8.09	102	0.19	0.15	18.1	18.2	0.14	4.58	4.72	198	20,377	20,575	21.4	0.94	21,538
% Reduced	—	—	—	—	—	—	—	—	—	—	24%	< 0.5%	< 0.5%	23%	1%	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.21	1.48	18.7	0.04	0.03	3.30	3.32	0.03	0.84	0.86	43.2	3,380	3,423	4.59	0.16	3,609
Mit.	4.21	1.48	18.7	0.04	0.03	3.30	3.32	0.03	0.84	0.86	32.7	3,374	3,406	3.55	0.16	3,566
% Reduced	—	—	—	—	—	—	—	—	—	—	24%	< 0.5%	< 0.5%	23%	1%	1%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.9	7.24	79.5	0.20	0.14	18.2	18.3	0.13	4.60	4.73	—	20,138	20,138	0.95	0.78	20,444

Area	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Energy	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	863	863	0.55	0.07	897
Water	—	—	—	—	—	—	—	—	—	—	23.6	112	135	2.50	0.07	218
Waste	—	—	—	—	—	—	—	—	—	—	237	0.00	237	23.7	0.00	830
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Total	23.7	7.54	118	0.20	0.15	18.2	18.3	0.14	4.60	4.74	261	21,192	21,453	27.7	0.91	22,593
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.7	7.96	75.7	0.19	0.14	18.2	18.3	0.13	4.60	4.73	—	19,251	19,251	1.01	0.83	19,524
Area	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Energy	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	863	863	0.55	0.07	897
Water	—	—	—	—	—	—	—	—	—	—	23.6	112	135	2.50	0.07	218
Waste	—	—	—	—	—	—	—	—	—	—	237	0.00	237	23.7	0.00	830
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Total	23.5	8.26	114	0.19	0.15	18.2	18.3	0.14	4.60	4.74	261	20,306	20,566	27.8	0.96	21,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	7.84	75.5	0.19	0.14	18.1	18.2	0.13	4.58	4.71	—	19,385	19,385	1.00	0.82	19,675
Area	11.5	0.13	26.9	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	55.7	55.7	< 0.005	< 0.005	55.9
Energy	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	863	863	0.55	0.07	897
Water	—	—	—	—	—	—	—	—	—	—	23.6	112	135	2.50	0.07	218
Waste	—	—	—	—	—	—	—	—	—	—	237	0.00	237	23.7	0.00	830
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Total	23.1	8.09	102	0.19	0.15	18.1	18.2	0.14	4.58	4.72	261	20,416	20,676	27.7	0.95	21,801
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.11	1.43	13.8	0.03	0.03	3.30	3.32	0.02	0.84	0.86	—	3,209	3,209	0.16	0.14	3,257
Area	2.11	0.02	4.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.22	9.22	< 0.005	< 0.005	9.26
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	143	143	0.09	0.01	148

Water	—	—	—	—	—	—	—	—	—	—	3.91	18.5	22.4	0.41	0.01	36.1
Waste	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.92	0.00	137
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.8
Total	4.21	1.48	18.7	0.04	0.03	3.30	3.32	0.03	0.84	0.86	43.2	3,380	3,423	4.59	0.16	3,609

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.9	7.24	79.5	0.20	0.14	18.2	18.3	0.13	4.60	4.73	—	20,138	20,138	0.95	0.78	20,444
Area	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Energy	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	827	827	0.52	0.06	858
Water	—	—	—	—	—	—	—	—	—	—	20.0	110	130	2.13	0.06	201
Waste	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	622
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Total	23.7	7.54	118	0.20	0.15	18.2	18.3	0.14	4.60	4.74	198	21,154	21,352	21.4	0.90	22,330
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.7	7.96	75.7	0.19	0.14	18.2	18.3	0.13	4.60	4.73	—	19,251	19,251	1.01	0.83	19,524
Area	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Energy	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	827	827	0.52	0.06	858
Water	—	—	—	—	—	—	—	—	—	—	20.0	110	130	2.13	0.06	201
Waste	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	622
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Total	23.5	8.26	114	0.19	0.15	18.2	18.3	0.14	4.60	4.74	198	20,267	20,465	21.4	0.95	21,411
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	11.5	7.84	75.5	0.19	0.14	18.1	18.2	0.13	4.58	4.71	—	19,385	19,385	1.00	0.82	19,675
Area	11.5	0.13	26.9	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	55.7	55.7	< 0.005	< 0.005	55.9
Energy	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	827	827	0.52	0.06	858
Water	—	—	—	—	—	—	—	—	—	—	20.0	110	130	2.13	0.06	201
Waste	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	622
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Total	23.1	8.09	102	0.19	0.15	18.1	18.2	0.14	4.58	4.72	198	20,377	20,575	21.4	0.94	21,538
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.11	1.43	13.8	0.03	0.03	3.30	3.32	0.02	0.84	0.86	—	3,209	3,209	0.16	0.14	3,257
Area	2.11	0.02	4.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.22	9.22	< 0.005	< 0.005	9.26
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	137	137	0.09	0.01	142
Water	—	—	—	—	—	—	—	—	—	—	3.31	18.2	21.5	0.35	0.01	33.2
Waste	—	—	—	—	—	—	—	—	—	—	29.4	0.00	29.4	2.94	0.00	103
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.8
Total	4.21	1.48	18.7	0.04	0.03	3.30	3.32	0.03	0.84	0.86	32.7	3,374	3,406	3.55	0.16	3,566

3. Construction Emissions Details

3.1. NAR-Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.36	2.65	< 0.005	0.11	—	0.11	0.10	—	0.10	—	367	367	0.01	< 0.005	368
Demolition	—	—	—	—	—	3.18	3.18	—	0.48	0.48	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.36	< 0.005	0.02	—	0.02	0.01	—	0.01	—	50.3	50.3	< 0.005	< 0.005	50.5
Demolition	—	—	—	—	—	0.44	0.44	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.33	8.33	< 0.005	< 0.005	8.36
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.72	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	151	151	0.01	0.01	154
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.07	4.17	1.60	0.02	0.06	0.85	0.91	0.04	0.23	0.27	—	3,235	3,235	0.16	0.52	3,401
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.7	19.7	< 0.005	< 0.005	20.0
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	20.2

Hauling	0.01	0.59	0.22	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	443	443	0.02	0.07	465
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.27	3.27	< 0.005	< 0.005	3.32
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.21	3.21	< 0.005	< 0.005	3.35
Hauling	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.4	73.4	< 0.005	0.01	77.1

3.2. NAR-Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.00	2.59	< 0.005	0.01	—	0.01	0.01	—	0.01	—	367	367	0.01	< 0.005	368
Demolition	—	—	—	—	—	3.18	3.18	—	0.48	0.48	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.3	50.3	< 0.005	< 0.005	50.5
Demolition	—	—	—	—	—	0.44	0.44	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.03	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.33	8.33	< 0.005	< 0.005	8.36
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.72	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	151	151	0.01	0.01	154
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.07	4.17	1.60	0.02	0.06	0.85	0.91	0.04	0.23	0.27	—	3,235	3,235	0.16	0.52	3,401
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.7	19.7	< 0.005	< 0.005	20.0
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	20.2
Hauling	0.01	0.59	0.22	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	443	443	0.02	0.07	465
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.27	3.27	< 0.005	< 0.005	3.32
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.21	3.21	< 0.005	< 0.005	3.35
Hauling	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.4	73.4	< 0.005	0.01	77.1

3.3. Project import (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.92	1.85	< 0.005	0.14	—	0.14	0.13	—	0.13	—	262	262	0.01	< 0.005	262
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.92	1.85	< 0.005	0.14	—	0.14	0.13	—	0.13	—	262	262	0.01	< 0.005	262
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.56	0.54	< 0.005	0.04	—	0.04	0.04	—	0.04	—	76.8	76.8	< 0.005	< 0.005	77.0
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	12.7	12.7	< 0.005	< 0.005	12.8

Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.77	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	154	154	0.01	0.01	157
Vendor	0.01	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	151
Hauling	0.19	6.83	3.43	0.02	0.06	0.82	0.88	0.06	0.23	0.28	—	3,496	3,496	0.25	0.55	3,674
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	146	146	0.01	0.01	148
Vendor	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	150
Hauling	0.17	7.11	3.51	0.02	0.06	0.82	0.88	0.06	0.23	0.28	—	3,502	3,502	0.25	0.55	3,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.2	43.2	< 0.005	< 0.005	43.8
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	44.1
Hauling	0.05	2.06	1.02	0.01	0.02	0.24	0.26	0.02	0.07	0.08	—	1,027	1,027	0.07	0.16	1,078
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	7.26
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.00	7.00	< 0.005	< 0.005	7.31
Hauling	0.01	0.38	0.19	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	170	170	0.01	0.03	179

3.4. Project import (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.13	1.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	262	262	0.01	< 0.005	262
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.13	1.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	262	262	0.01	< 0.005	262
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	76.8	76.8	< 0.005	< 0.005	77.0
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.01	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	12.8
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.77	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	154	154	0.01	0.01	157
Vendor	0.01	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	151
Hauling	0.19	6.83	3.43	0.02	0.06	0.82	0.88	0.06	0.23	0.28	—	3,496	3,496	0.25	0.55	3,674
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	146	146	0.01	0.01	148
Vendor	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	150
Hauling	0.17	7.11	3.51	0.02	0.06	0.82	0.88	0.06	0.23	0.28	—	3,502	3,502	0.25	0.55	3,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.2	43.2	< 0.005	< 0.005	43.8
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	44.1
Hauling	0.05	2.06	1.02	0.01	0.02	0.24	0.26	0.02	0.07	0.08	—	1,027	1,027	0.07	0.16	1,078
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	7.26
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.00	7.00	< 0.005	< 0.005	7.31
Hauling	0.01	0.38	0.19	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	170	170	0.01	0.03	179

3.5. Project import (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.80	1.84	< 0.005	0.12	—	0.12	0.11	—	0.11	—	262	262	0.01	< 0.005	262
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.9	18.9	< 0.005	< 0.005	19.0
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.14	3.14	< 0.005	< 0.005	3.15
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.64	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	143	143	0.01	0.01	145
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.17	6.92	3.49	0.02	0.06	0.82	0.88	0.04	0.23	0.26	—	3,430	3,430	0.23	0.55	3,601
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	10.6
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	10.7
Hauling	0.01	0.49	0.25	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	248	248	0.02	0.04	261
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.73	1.73	< 0.005	< 0.005	1.75
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.69	1.69	< 0.005	< 0.005	1.77
Hauling	< 0.005	0.09	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.1	41.1	< 0.005	0.01	43.2

3.6. Project import (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.13	1.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	262	262	0.01	< 0.005	262

Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.9	18.9	< 0.005	< 0.005	19.0
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.14	3.14	< 0.005	< 0.005	3.15
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.64	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	143	143	0.01	0.01	145
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.17	6.92	3.49	0.02	0.06	0.82	0.88	0.04	0.23	0.26	—	3,430	3,430	0.23	0.55	3,601

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	10.6
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	10.7
Hauling	0.01	0.49	0.25	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	248	248	0.02	0.04	261
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.73	1.73	< 0.005	< 0.005	1.75
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.69	1.69	< 0.005	< 0.005	1.77
Hauling	< 0.005	0.09	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.1	41.1	< 0.005	0.01	43.2

3.7. Hotel/Golf Course-Grading Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	9.89	9.11	0.02	0.43	—	0.43	0.40	—	0.40	—	2,511	2,511	0.10	0.02	2,520
Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	9.89	9.11	0.02	0.43	—	0.43	0.40	—	0.40	—	2,511	2,511	0.10	0.02	2,520

Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.96	2.73	0.01	0.13	—	0.13	0.12	—	0.12	—	752	752	0.03	0.01	755
Dust From Material Movement	—	—	—	—	—	0.35	0.35	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.54	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	124	124	0.01	< 0.005	125
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.64	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	134	134	0.01	< 0.005	137
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	127	127	0.01	0.01	129
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.4	38.4	< 0.005	< 0.005	38.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	44.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.35	6.35	< 0.005	< 0.005	6.45
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	7.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.8. Hotel/Golf Course-Grading Excavation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	1.23	12.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,511	2,511	0.10	0.02	2,520
Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.24	1.23	12.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,511	2,511	0.10	0.02	2,520
Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.37	3.86	0.01	0.01	—	0.01	0.01	—	0.01	—	752	752	0.03	0.01	755
Dust From Material Movement	—	—	—	—	—	0.35	0.35	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	124	124	0.01	< 0.005	125
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.64	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	134	134	0.01	< 0.005	137
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	127	127	0.01	0.01	129
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.4	38.4	< 0.005	< 0.005	38.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	44.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.35	6.35	< 0.005	< 0.005	6.45
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	7.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. Hotel/Golf Course-Grading Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08	9.19	8.99	0.02	0.40	—	0.40	0.37	—	0.37	—	2,511	2,511	0.10	0.02	2,520
Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08	9.19	8.99	0.02	0.40	—	0.40	0.37	—	0.37	—	2,511	2,511	0.10	0.02	2,520
Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.12	2.08	0.01	0.09	—	0.09	0.09	—	0.09	—	580	580	0.02	< 0.005	582
Dust From Material Movement	—	—	—	—	—	0.27	0.27	—	0.09	0.09	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.38	< 0.005	0.02	—	0.02	0.02	—	0.02	—	96.0	96.0	< 0.005	< 0.005	96.3
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.60	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	132	132	0.01	< 0.005	134
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.53	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	125	125	0.01	0.01	127
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.1	29.1	< 0.005	< 0.005	29.5
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.9	31.9	< 0.005	< 0.005	33.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.82	4.82	< 0.005	< 0.005	4.88
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.29	5.29	< 0.005	< 0.005	5.52
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.10. Hotel/Golf Course-Grading Excavation (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	1.23	12.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,511	2,511	0.10	0.02	2,520
Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	1.23	12.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,511	2,511	0.10	0.02	2,520
Dust From Material Movement	—	—	—	—	—	1.18	1.18	—	0.39	0.39	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.28	2.98	0.01	0.01	—	0.01	0.01	—	0.01	—	580	580	0.02	< 0.005	582
Dust From Material Movement	—	—	—	—	—	0.27	0.27	—	0.09	0.09	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.0	96.0	< 0.005	< 0.005	96.3
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.60	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	132	132	0.01	< 0.005	134
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.53	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	125	125	0.01	0.01	127
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.1	29.1	< 0.005	< 0.005	29.5
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.9	31.9	< 0.005	< 0.005	33.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.82	4.82	< 0.005	< 0.005	4.88
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.29	5.29	< 0.005	< 0.005	5.52
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.11. NAR-Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	14.2	13.3	0.03	0.67	—	0.67	0.61	—	0.61	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	14.2	13.3	0.03	0.67	—	0.67	0.61	—	0.61	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.71	2.55	0.01	0.13	—	0.13	0.12	—	0.12	—	617	617	0.03	0.01	619
Dust From Material Movement	—	—	—	—	—	0.38	0.38	—	0.14	0.14	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.50	0.47	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	102
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	185	185	0.01	0.01	188
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.8	33.8	< 0.005	< 0.005	34.3
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.1	27.1	< 0.005	< 0.005	28.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.59	5.59	< 0.005	< 0.005	5.68
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.49	4.49	< 0.005	< 0.005	4.69
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.12. NAR-Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	1.58	17.1	0.03	0.06	—	0.06	0.06	—	0.06	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	1.58	17.1	0.03	0.06	—	0.06	0.06	—	0.06	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.30	3.28	0.01	0.01	—	0.01	0.01	—	0.01	—	617	617	0.03	0.01	619
Dust From Material Movement	—	—	—	—	—	0.38	0.38	—	0.14	0.14	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	102
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	185	185	0.01	0.01	188
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.8	33.8	< 0.005	< 0.005	34.3
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.1	27.1	< 0.005	< 0.005	28.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.59	5.59	< 0.005	< 0.005	5.68
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.49	4.49	< 0.005	< 0.005	4.69
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.13. WAR-Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	14.2	13.3	0.03	0.67	—	0.67	0.61	—	0.61	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	14.2	13.3	0.03	0.67	—	0.67	0.61	—	0.61	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.33	2.19	< 0.005	0.11	—	0.11	0.10	—	0.10	—	529	529	0.02	< 0.005	530
Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.42	0.40	< 0.005	0.02	—	0.02	0.02	—	0.02	—	87.5	87.5	< 0.005	< 0.005	87.8
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	185	185	0.01	0.01	188
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.0	29.0	< 0.005	< 0.005	29.4
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.79	4.79	< 0.005	< 0.005	4.87
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.85	3.85	< 0.005	< 0.005	4.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.14. WAR-Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	1.58	17.1	0.03	0.06	—	0.06	0.06	—	0.06	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	1.58	17.1	0.03	0.06	—	0.06	0.06	—	0.06	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.26	2.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	529	529	0.02	< 0.005	530
Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	87.5	87.5	< 0.005	< 0.005	87.8
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	185	185	0.01	0.01	188
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.0	29.0	< 0.005	< 0.005	29.4
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.79	4.79	< 0.005	< 0.005	4.87
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.85	3.85	< 0.005	< 0.005	4.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.15. Hotel/Golf Course-Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.53	13.2	13.1	0.03	0.61	—	0.61	0.56	—	0.56	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.53	13.2	13.1	0.03	0.61	—	0.61	0.56	—	0.56	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	6.50	6.48	0.01	0.30	—	0.30	0.28	—	0.28	—	1,586	1,586	0.06	0.01	1,591
Dust From Material Movement	—	—	—	—	—	0.99	0.99	—	0.36	0.36	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.19	1.18	< 0.005	0.06	—	0.06	0.05	—	0.05	—	263	263	0.01	< 0.005	263
Dust From Material Movement	—	—	—	—	—	0.18	0.18	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.05	0.83	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	182	182	0.01	0.01	185
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	174
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.37	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	85.4	85.4	< 0.005	< 0.005	86.6
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	68.2	68.2	< 0.005	0.01	71.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	14.3
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	11.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.16. Hotel/Golf Course-Grading (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	1.58	17.1	0.03	0.06	—	0.06	0.06	—	0.06	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	1.58	17.1	0.03	0.06	—	0.06	0.06	—	0.06	—	3,216	3,216	0.13	0.03	3,227
Dust From Material Movement	—	—	—	—	—	2.00	2.00	—	0.73	0.73	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.78	8.43	0.01	0.03	—	0.03	0.03	—	0.03	—	1,586	1,586	0.06	0.01	1,591
Dust From Material Movement	—	—	—	—	—	0.99	0.99	—	0.36	0.36	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.14	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	263	263	0.01	< 0.005	263
Dust From Material Movement	—	—	—	—	—	0.18	0.18	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.05	0.83	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	182	182	0.01	0.01	185
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	174
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.37	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	85.4	85.4	< 0.005	< 0.005	86.6
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	68.2	68.2	< 0.005	0.01	71.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	14.3
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	11.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.17. NAR-Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	4.17	7.09	0.01	0.12	—	0.12	0.11	—	0.11	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.43	4.17	7.09	0.01	0.12	—	0.12	0.11	—	0.11	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	2.00	3.40	0.01	0.06	—	0.06	0.05	—	0.05	—	502	502	0.02	< 0.005	504
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.36	0.62	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.1	83.1	< 0.005	< 0.005	83.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.19	3.09	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	677	677	0.03	0.02	688
Vendor	0.02	0.71	0.34	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	553	553	0.02	0.08	578
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.23	2.74	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	640	640	0.04	0.03	649
Vendor	0.02	0.73	0.34	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	554	554	0.02	0.08	577
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	1.33	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	310	310	0.02	0.01	314
Vendor	0.01	0.35	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	265	265	0.01	0.04	277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.2	51.2	< 0.005	< 0.005	52.0
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	0.01	45.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.18. NAR-Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.68	3.53	0.01	0.01	—	0.01	0.01	—	0.01	—	502	502	0.02	< 0.005	504
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.1	83.1	< 0.005	< 0.005	83.4

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.19	3.09	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	677	677	0.03	0.02	688
Vendor	0.02	0.71	0.34	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	553	553	0.02	0.08	578
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.23	2.74	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	640	640	0.04	0.03	649
Vendor	0.02	0.73	0.34	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	554	554	0.02	0.08	577
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	1.33	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	310	310	0.02	0.01	314
Vendor	0.01	0.35	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	265	265	0.01	0.04	277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.2	51.2	< 0.005	< 0.005	52.0
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	0.01	45.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.19. NAR-Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	4.03	7.09	0.01	0.10	—	0.10	0.09	—	0.09	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	4.03	7.09	0.01	0.10	—	0.10	0.09	—	0.09	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.89	5.08	0.01	0.07	—	0.07	0.07	—	0.07	—	750	750	0.03	0.01	752
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.53	0.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	124	124	0.01	< 0.005	125
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.19	2.92	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	665	665	0.01	0.02	675
Vendor	0.02	0.67	0.32	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	539	539	0.02	0.08	564
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.27	0.21	2.58	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	629	629	0.01	0.02	636
Vendor	0.02	0.70	0.33	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	540	540	0.02	0.08	563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.15	1.87	0.00	0.00	0.45	0.45	0.00	0.10	0.10	—	454	454	0.01	0.02	460
Vendor	0.01	0.50	0.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	386	386	0.01	0.06	404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	75.2	75.2	< 0.005	< 0.005	76.2
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.0	64.0	< 0.005	0.01	66.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.20. NAR-Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.01	5.28	0.01	0.01	—	0.01	0.01	—	0.01	—	750	750	0.03	0.01	752
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.19	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	124	124	0.01	< 0.005	125
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.19	2.92	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	665	665	0.01	0.02	675
Vendor	0.02	0.67	0.32	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	539	539	0.02	0.08	564
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.21	2.58	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	629	629	0.01	0.02	636
Vendor	0.02	0.70	0.33	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	540	540	0.02	0.08	563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.15	1.87	0.00	0.00	0.45	0.45	0.00	0.10	0.10	—	454	454	0.01	0.02	460
Vendor	0.01	0.50	0.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	386	386	0.01	0.06	404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	75.2	75.2	< 0.005	< 0.005	76.2
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.0	64.0	< 0.005	0.01	66.8

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.21. NAR-Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.94	7.08	0.01	0.09	—	0.09	0.08	—	0.08	—	1,047	1,047	0.04	0.01	1,050
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.6	24.6	< 0.005	< 0.005	24.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.07	4.07	< 0.005	< 0.005	4.08
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.26	0.19	2.42	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	618	618	0.01	0.02	626
Vendor	0.02	0.67	0.32	< 0.005	0.01	0.15	0.15	< 0.005	0.04	0.04	—	524	524	0.02	0.07	547
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.6	14.6	< 0.005	< 0.005	14.8
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	12.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.42	2.42	< 0.005	< 0.005	2.46
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	2.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.22. NAR-Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,050
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.6	24.6	< 0.005	< 0.005	24.7

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.07	4.07	< 0.005	< 0.005	4.08
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.19	2.42	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	618	618	0.01	0.02	626
Vendor	0.02	0.67	0.32	< 0.005	0.01	0.15	0.15	< 0.005	0.04	0.04	—	524	524	0.02	0.07	547
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.6	14.6	< 0.005	< 0.005	14.8
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	12.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.42	2.42	< 0.005	< 0.005	2.46
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	2.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.23. WAR-Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	4.17	7.09	0.01	0.12	—	0.12	0.11	—	0.11	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	4.17	7.09	0.01	0.12	—	0.12	0.11	—	0.11	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	2.00	3.40	0.01	0.06	—	0.06	0.05	—	0.05	—	502	502	0.02	< 0.005	504
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.36	0.62	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.1	83.1	< 0.005	< 0.005	83.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.09	1.43	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	314	314	0.01	0.01	319
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	269	269	0.01	0.04	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.13	0.11	1.27	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	297	297	0.02	0.01	301
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	269	269	0.01	0.04	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	143	143	0.01	0.01	145
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.7	23.7	< 0.005	< 0.005	24.1
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.4	21.4	< 0.005	< 0.005	22.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.24. WAR-Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.68	3.53	0.01	0.01	—	0.01	0.01	—	0.01	—	502	502	0.02	< 0.005	504
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.1	83.1	< 0.005	< 0.005	83.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.09	1.43	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	314	314	0.01	0.01	319
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	269	269	0.01	0.04	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	1.27	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	297	297	0.02	0.01	301
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	269	269	0.01	0.04	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	143	143	0.01	0.01	145
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.7	23.7	< 0.005	< 0.005	24.1
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.4	21.4	< 0.005	< 0.005	22.3

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.25. WAR-Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	4.03	7.09	0.01	0.10	—	0.10	0.09	—	0.09	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	4.03	7.09	0.01	0.10	—	0.10	0.09	—	0.09	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.67	4.69	0.01	0.07	—	0.07	0.06	—	0.06	—	692	692	0.03	0.01	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.49	0.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	115	115	< 0.005	< 0.005	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.09	1.35	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	308	308	0.01	0.01	313
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	262	262	0.01	0.04	274
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	1.20	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	291	291	0.01	0.01	295
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	262	262	0.01	0.04	274
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.80	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	194	194	< 0.005	0.01	197
Vendor	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	174	174	0.01	0.02	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	32.2	32.2	< 0.005	< 0.005	32.6
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.7	28.7	< 0.005	< 0.005	30.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.26. WAR-Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.42	7.37	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	1,051
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.94	4.87	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.17	0.89	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	115	115	< 0.005	< 0.005	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.09	1.35	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	308	308	0.01	0.01	313
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	262	262	0.01	0.04	274
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	1.20	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	291	291	0.01	0.01	295
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	262	262	0.01	0.04	274
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.80	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	194	194	< 0.005	0.01	197
Vendor	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	174	174	0.01	0.02	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	32.2	32.2	< 0.005	< 0.005	32.6
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.7	28.7	< 0.005	< 0.005	30.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.27. Hotel/Golf Course-Clubhouse Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	6.73	9.25	0.02	0.22	—	0.22	0.21	—	0.21	—	1,837	1,837	0.07	0.01	1,843
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.41	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	111	111	< 0.005	< 0.005	112
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.5	18.5	< 0.005	< 0.005	18.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.30	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.2	70.2	< 0.005	< 0.005	71.2
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	92.3	92.3	< 0.005	0.01	96.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.30	4.30	< 0.005	< 0.005	4.36
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.59	5.59	< 0.005	< 0.005	5.84
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	0.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	0.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.28. Hotel/Golf Course-Clubhouse Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.81	11.1	0.02	0.03	—	0.03	0.03	—	0.03	—	1,837	1,837	0.07	0.01	1,843
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	111	111	< 0.005	< 0.005	112
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.5	18.5	< 0.005	< 0.005	18.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.30	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.2	70.2	< 0.005	< 0.005	71.2
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	92.3	92.3	< 0.005	0.01	96.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.30	4.30	< 0.005	< 0.005	4.36
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.59	5.59	< 0.005	< 0.005	5.84
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	0.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	0.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.29. Hotel/Golf Course-Clubhouse Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.37	9.25	0.02	0.20	—	0.20	0.18	—	0.18	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.37	9.25	0.02	0.20	—	0.20	0.18	—	0.18	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.50	2.17	< 0.005	0.05	—	0.05	0.04	—	0.04	—	432	432	0.02	< 0.005	433
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71.4	71.4	< 0.005	< 0.005	71.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	73.0	73.0	< 0.005	< 0.005	74.1
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	94.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.28	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.0	69.0	< 0.005	< 0.005	69.8
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	93.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	16.6
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.1	21.1	< 0.005	< 0.005	22.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.71	2.71	< 0.005	< 0.005	2.74
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.50	3.50	< 0.005	< 0.005	3.65
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.30. Hotel/Golf Course-Clubhouse Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.19	1.81	11.1	0.02	0.03	—	0.03	0.03	—	0.03	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.81	11.1	0.02	0.03	—	0.03	0.03	—	0.03	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.42	2.61	< 0.005	0.01	—	0.01	0.01	—	0.01	—	432	432	0.02	< 0.005	433
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.4	71.4	< 0.005	< 0.005	71.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	73.0	73.0	< 0.005	< 0.005	74.1
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	94.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.28	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.0	69.0	< 0.005	< 0.005	69.8
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	93.9

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	16.6
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.1	21.1	< 0.005	< 0.005	22.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.71	2.71	< 0.005	< 0.005	2.74
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.50	3.50	< 0.005	< 0.005	3.65
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.31. Hotel/Golf Course - Hotel Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.37	9.25	0.02	0.20	—	0.20	0.18	—	0.18	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.37	9.25	0.02	0.20	—	0.20	0.18	—	0.18	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.30	2.76	4.00	0.01	0.09	—	0.09	0.08	—	0.08	—	795	795	0.03	0.01	798
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.50	0.73	< 0.005	0.02	—	0.02	0.01	—	0.01	—	132	132	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.50	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	114	114	< 0.005	< 0.005	115
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	94.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.44	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	107	107	< 0.005	< 0.005	109
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	93.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.9	46.9	< 0.005	< 0.005	47.5
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.9	38.9	< 0.005	0.01	40.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.76	7.76	< 0.005	< 0.005	7.86
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.44	6.44	< 0.005	< 0.005	6.73
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.32. Hotel/Golf Course - Hotel Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.81	11.1	0.02	0.03	—	0.03	0.03	—	0.03	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.81	11.1	0.02	0.03	—	0.03	0.03	—	0.03	—	1,838	1,838	0.07	0.01	1,844
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.78	4.81	0.01	0.01	—	0.01	0.01	—	0.01	—	795	795	0.03	0.01	798
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.88	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	132	132	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.03	0.50	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	114	114	< 0.005	< 0.005	115
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	94.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.44	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	107	107	< 0.005	< 0.005	109
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	89.9	89.9	< 0.005	0.01	93.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.9	46.9	< 0.005	< 0.005	47.5
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.9	38.9	< 0.005	0.01	40.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.76	7.76	< 0.005	< 0.005	7.86
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.44	6.44	< 0.005	< 0.005	6.73
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.33. Project Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	1,516
Paving	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	1,516
Paving	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.34	3.35	< 0.005	0.10	—	0.10	0.09	—	0.09	—	509	509	0.02	< 0.005	510
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.43	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	84.2	84.2	< 0.005	< 0.005	84.5
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	149	149	0.01	0.01	151
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.60	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	140	140	0.01	0.01	142
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.7	47.7	< 0.005	< 0.005	48.4
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.6	46.6	< 0.005	0.01	48.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.90	7.90	< 0.005	< 0.005	8.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.71	7.71	< 0.005	< 0.005	8.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.34. Project Paving (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	1,516
Paving	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	1,516
Paving	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.65	3.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	509	509	0.02	< 0.005	510
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	84.2	84.2	< 0.005	< 0.005	84.5
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	149	149	0.01	0.01	151
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.60	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	140	140	0.01	0.01	142
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.7	47.7	< 0.005	< 0.005	48.4
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.6	46.6	< 0.005	0.01	48.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.90	7.90	< 0.005	< 0.005	8.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.71	7.71	< 0.005	< 0.005	8.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.35. Project Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	1,516
Paving	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.4	41.4	< 0.005	< 0.005	41.5
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.85	6.85	< 0.005	< 0.005	6.88
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	138	138	< 0.005	0.01	140
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.81	3.81	< 0.005	< 0.005	3.87
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.69	3.69	< 0.005	< 0.005	3.86
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.63	0.63	< 0.005	< 0.005	0.64
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	0.64
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.36. Project Paving (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	1,516

Paving	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.05	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.4	41.4	< 0.005	< 0.005	41.5
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.85	6.85	< 0.005	< 0.005	6.88
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	138	138	< 0.005	0.01	140
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.81	3.81	< 0.005	< 0.005	3.87
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.69	3.69	< 0.005	< 0.005	3.86
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.63	0.63	< 0.005	< 0.005	0.64
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	0.64
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.37. NAR-Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Architectural Coatings	3.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	132
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.50	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	123	123	< 0.005	< 0.005	124
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.0	37.0	< 0.005	< 0.005	37.6
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.4	40.4	< 0.005	0.01	42.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.13	6.13	< 0.005	< 0.005	6.22

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.69	6.69	< 0.005	< 0.005	6.98
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.38. NAR-Architectural Coating (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	132
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.50	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	123	123	< 0.005	< 0.005	124
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.0	37.0	< 0.005	< 0.005	37.6
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.4	40.4	< 0.005	0.01	42.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.13	6.13	< 0.005	< 0.005	6.22
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.69	6.69	< 0.005	< 0.005	6.98
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.39. NAR-Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	122
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	137
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	2.89
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.08	3.08	< 0.005	< 0.005	3.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	0.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	0.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.40. NAR-Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	122
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	137
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	2.89
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.08	3.08	< 0.005	< 0.005	3.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	0.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	0.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.41. WAR-Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	64.9	64.9	< 0.005	< 0.005	65.9
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.25	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	61.3	61.3	< 0.005	< 0.005	62.1
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.4	24.4	< 0.005	< 0.005	25.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	1.88
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.04	4.04	< 0.005	< 0.005	4.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.42. WAR-Architectural Coating (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	64.9	64.9	< 0.005	< 0.005	65.9
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.25	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	61.3	61.3	< 0.005	< 0.005	62.1
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.4	24.4	< 0.005	< 0.005	25.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	1.88
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.04	4.04	< 0.005	< 0.005	4.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.43. Hotel/Golf Course- Clubhouse Architectural Coa (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Architect Coatings	11.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	15.5
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.89	0.89	< 0.005	< 0.005	0.90

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.76	7.76	< 0.005	< 0.005	8.11
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.44. Hotel/Golf Course- Clubhouse Architectural Coa (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	11.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	15.5
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.89	0.89	< 0.005	< 0.005	0.90
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.76	7.76	< 0.005	< 0.005	8.11
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.45. Hotel/Golf Course-Hotel Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	15.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	1.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.0	23.0	< 0.005	< 0.005	23.3
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	1.74
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.98	9.98	< 0.005	< 0.005	10.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	0.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.65	1.65	< 0.005	< 0.005	1.73
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.46. Hotel/Golf Course-Hotel Architectural Coating (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.0	23.0	< 0.005	< 0.005	23.3
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	1.74
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.98	9.98	< 0.005	< 0.005	10.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	0.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.65	1.65	< 0.005	< 0.005	1.73
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.47. NAR - Wet Utilities (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.71	10.6	0.01	0.22	—	0.22	0.20	—	0.20	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.58	1.07	< 0.005	0.02	—	0.02	0.02	—	0.02	—	164	164	0.01	< 0.005	165
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	27.2	27.2	< 0.005	< 0.005	27.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	18.2

Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.4	14.4	< 0.005	< 0.005	15.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	3.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	2.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.48. NAR - Wet Utilities (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.98	11.3	0.01	0.03	—	0.03	0.03	—	0.03	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	1.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	164	164	0.01	< 0.005	165
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	27.2	27.2	< 0.005	< 0.005	27.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	18.2
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.4	14.4	< 0.005	< 0.005	15.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	3.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	2.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.49. NAR - Wet Utilities (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.38	10.6	0.01	0.19	—	0.19	0.18	—	0.18	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.38	10.6	0.01	0.19	—	0.19	0.18	—	0.18	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.03	3.99	0.01	0.07	—	0.07	0.07	—	0.07	—	610	610	0.02	< 0.005	613
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.37	0.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	< 0.005	< 0.005	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.05	0.83	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	182	182	0.01	0.01	185
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	174
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	65.4	65.4	< 0.005	< 0.005	66.4

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	52.2	52.2	< 0.005	0.01	54.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	11.0
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.65	8.65	< 0.005	< 0.005	9.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.50. NAR - Wet Utilities (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.98	11.3	0.01	0.03	—	0.03	0.03	—	0.03	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.98	11.3	0.01	0.03	—	0.03	0.03	—	0.03	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.75	4.28	0.01	0.01	—	0.01	0.01	—	0.01	—	610	610	0.02	< 0.005	613
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.14	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.05	0.83	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	182	182	0.01	0.01	185
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	174
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	65.4	65.4	< 0.005	< 0.005	66.4
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	52.2	52.2	< 0.005	0.01	54.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	11.0
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.65	8.65	< 0.005	< 0.005	9.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.51. NAR - Dry Utilities (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.68	2.49	< 0.005	0.06	—	0.06	0.05	—	0.05	—	387	387	0.02	< 0.005	388
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.68	2.49	< 0.005	0.06	—	0.06	0.05	—	0.05	—	387	387	0.02	< 0.005	388
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.58	0.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	135	135	0.01	< 0.005	135
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.3	22.3	< 0.005	< 0.005	22.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	165	165	0.01	0.01	168
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	156	156	0.01	0.01	158
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.8	54.8	< 0.005	< 0.005	55.6
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48.1	48.1	< 0.005	0.01	50.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.07	9.07	< 0.005	< 0.005	9.20
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.97	7.97	< 0.005	< 0.005	8.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.52. NAR - Dry Utilities (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	2.08	4.73	0.01	0.01	—	0.01	0.01	—	0.01	—	677	677	0.03	0.01	679
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	2.08	4.73	0.01	0.01	—	0.01	0.01	—	0.01	—	677	677	0.03	0.01	679
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.72	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	236	236	0.01	< 0.005	236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.0	39.0	< 0.005	< 0.005	39.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	165	165	0.01	0.01	168
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	156	156	0.01	0.01	158
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.8	54.8	< 0.005	< 0.005	55.6
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48.1	48.1	< 0.005	0.01	50.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.07	9.07	< 0.005	< 0.005	9.20
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.97	7.97	< 0.005	< 0.005	8.32

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.53. WAR - Wet Utilities (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.71	10.6	0.01	0.22	—	0.22	0.20	—	0.20	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.58	1.07	< 0.005	0.02	—	0.02	0.02	—	0.02	—	164	164	0.01	< 0.005	165
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	27.2	27.2	< 0.005	< 0.005	27.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	18.2
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.4	14.4	< 0.005	< 0.005	15.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	3.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	2.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.54. WAR - Wet Utilities (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.98	11.3	0.01	0.03	—	0.03	0.03	—	0.03	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	1.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	164	164	0.01	< 0.005	165

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	27.2	27.2	< 0.005	< 0.005	27.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	175	175	0.01	0.01	177
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	18.2
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.4	14.4	< 0.005	< 0.005	15.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	3.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	2.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.55. WAR - Wet Utilities (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.38	10.6	0.01	0.19	—	0.19	0.18	—	0.18	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.38	10.6	0.01	0.19	—	0.19	0.18	—	0.18	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.22	2.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	367	367	0.01	< 0.005	368
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	60.7	60.7	< 0.005	< 0.005	61.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.05	0.83	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	182	182	0.01	0.01	185
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	174
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.3	39.3	< 0.005	< 0.005	39.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.4	31.4	< 0.005	< 0.005	32.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.51	6.51	< 0.005	< 0.005	6.60
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.20	5.20	< 0.005	< 0.005	5.43
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.56. WAR - Wet Utilities (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.98	11.3	0.01	0.03	—	0.03	0.03	—	0.03	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.98	11.3	0.01	0.03	—	0.03	0.03	—	0.03	—	1,616	1,616	0.07	0.01	1,622
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.45	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	367	367	0.01	< 0.005	368
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.7	60.7	< 0.005	< 0.005	61.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.05	0.83	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	182	182	0.01	0.01	185
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	174
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.3	39.3	< 0.005	< 0.005	39.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.4	31.4	< 0.005	< 0.005	32.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.51	6.51	< 0.005	< 0.005	6.60
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.20	5.20	< 0.005	< 0.005	5.43

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.57. WAR - Dry Utilities (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.68	2.49	< 0.005	0.06	—	0.06	0.05	—	0.05	—	387	387	0.02	< 0.005	388
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.68	2.49	< 0.005	0.06	—	0.06	0.05	—	0.05	—	387	387	0.02	< 0.005	388
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.46	0.68	< 0.005	0.02	—	0.02	0.01	—	0.01	—	106	106	< 0.005	< 0.005	106
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.5	17.5	< 0.005	< 0.005	17.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	165	165	0.01	0.01	168
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	< 0.005	0.02	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	156	156	0.01	0.01	158
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	< 0.005	0.02	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.1	43.1	< 0.005	< 0.005	43.8
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.6	31.6	< 0.005	< 0.005	33.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	7.24
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.23	5.23	< 0.005	< 0.005	5.46
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.58. WAR - Dry Utilities (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	2.08	4.73	0.01	0.01	—	0.01	0.01	—	0.01	—	677	677	0.03	0.01	679

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	2.08	4.73	0.01	0.01	—	0.01	0.01	—	0.01	—	677	677	0.03	0.01	679
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.57	1.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	185	185	0.01	< 0.005	186
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.10	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.7	30.7	< 0.005	< 0.005	30.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	165	165	0.01	0.01	168
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	< 0.005	0.02	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	156	156	0.01	0.01	158
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	< 0.005	0.02	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.1	43.1	< 0.005	< 0.005	43.8
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.6	31.6	< 0.005	< 0.005	33.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	7.24
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.23	5.23	< 0.005	< 0.005	5.46
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.59. Hotel/Golf Course-Finish (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.59	9.44	0.02	0.38	—	0.38	0.35	—	0.35	—	2,100	2,100	0.09	0.02	2,108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.98	1.22	< 0.005	0.05	—	0.05	0.04	—	0.04	—	270	270	0.01	< 0.005	271
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.18	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.8	44.8	< 0.005	< 0.005	44.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.43	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	97.4	97.4	< 0.005	< 0.005	98.8
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.9	11.9	< 0.005	< 0.005	12.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	18.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.98	1.98	< 0.005	< 0.005	2.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.88	2.88	< 0.005	< 0.005	3.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.60. Hotel/Golf Course-Finish (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.20	1.03	12.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,100	2,100	0.09	0.02	2,108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.13	1.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	270	270	0.01	< 0.005	271
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.8	44.8	< 0.005	< 0.005	44.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.43	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	97.4	97.4	< 0.005	< 0.005	98.8
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	0.01	0.02	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.9	11.9	< 0.005	< 0.005	12.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	18.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.98	1.98	< 0.005	< 0.005	2.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.88	2.88	< 0.005	< 0.005	3.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	6.51	4.17	46.1	0.12	0.08	10.8	10.8	0.08	2.73	2.80	—	11,898	11,898	0.54	0.45	12,075
Golf Course	2.29	1.30	14.1	0.03	0.02	3.11	3.14	0.02	0.79	0.81	—	3,470	3,470	0.17	0.14	3,524
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	1.77	1.10	12.1	0.03	0.02	2.79	2.81	0.02	0.71	0.73	—	3,092	3,092	0.14	0.12	3,139
Quality Restaurant	1.14	0.57	5.97	0.01	0.01	1.22	1.23	0.01	0.31	0.32	—	1,374	1,374	0.08	0.06	1,397
Single Family Housing	0.20	0.11	1.23	< 0.005	< 0.005	0.27	0.28	< 0.005	0.07	0.07	—	305	305	0.02	0.01	309
Total	11.9	7.24	79.5	0.20	0.14	18.2	18.3	0.13	4.60	4.73	—	20,138	20,138	0.95	0.78	20,444

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	6.40	4.57	43.6	0.11	0.08	10.8	10.8	0.08	2.73	2.80	—	11,372	11,372	0.57	0.48	11,529
Golf Course	2.25	1.43	13.6	0.03	0.02	3.11	3.14	0.02	0.79	0.81	—	3,318	3,318	0.19	0.15	3,367
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	1.74	1.21	11.5	0.03	0.02	2.79	2.81	0.02	0.71	0.73	—	2,956	2,956	0.15	0.13	2,997
Quality Restaurant	1.12	0.62	5.90	0.01	0.01	1.22	1.23	0.01	0.31	0.32	—	1,315	1,315	0.09	0.06	1,336
Single Family Housing	0.19	0.12	1.18	< 0.005	< 0.005	0.27	0.28	< 0.005	0.07	0.07	—	291	291	0.02	0.01	296
Total	11.7	7.96	75.7	0.19	0.14	18.2	18.3	0.13	4.60	4.73	—	19,251	19,251	1.01	0.83	19,524
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	1.15	0.82	7.94	0.02	0.01	1.95	1.97	0.01	0.50	0.51	—	1,896	1,896	0.09	0.08	1,924
Golf Course	0.40	0.26	2.46	0.01	< 0.005	0.57	0.57	< 0.005	0.14	0.15	—	553	553	0.03	0.02	562
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.31	0.22	2.09	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	493	493	0.02	0.02	500

Quality Restaurant	0.20	0.11	1.06	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	219	219	0.01	0.01	223
Single Family Housing	0.03	0.02	0.21	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	48.6	48.6	< 0.005	< 0.005	49.3
Total	2.11	1.43	13.8	0.03	0.03	3.30	3.32	0.02	0.84	0.86	—	3,209	3,209	0.16	0.14	3,257

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	6.51	4.17	46.1	0.12	0.08	10.8	10.8	0.08	2.73	2.80	—	11,898	11,898	0.54	0.45	12,075
Golf Course	2.29	1.30	14.1	0.03	0.02	3.11	3.14	0.02	0.79	0.81	—	3,470	3,470	0.17	0.14	3,524
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	1.77	1.10	12.1	0.03	0.02	2.79	2.81	0.02	0.71	0.73	—	3,092	3,092	0.14	0.12	3,139
Quality Restaurant	1.14	0.57	5.97	0.01	0.01	1.22	1.23	0.01	0.31	0.32	—	1,374	1,374	0.08	0.06	1,397
Single Family Housing	0.20	0.11	1.23	< 0.005	< 0.005	0.27	0.28	< 0.005	0.07	0.07	—	305	305	0.02	0.01	309
Total	11.9	7.24	79.5	0.20	0.14	18.2	18.3	0.13	4.60	4.73	—	20,138	20,138	0.95	0.78	20,444
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/To	6.40	4.57	43.6	0.11	0.08	10.8	10.8	0.08	2.73	2.80	—	11,372	11,372	0.57	0.48	11,529
Golf Course	2.25	1.43	13.6	0.03	0.02	3.11	3.14	0.02	0.79	0.81	—	3,318	3,318	0.19	0.15	3,367
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	1.74	1.21	11.5	0.03	0.02	2.79	2.81	0.02	0.71	0.73	—	2,956	2,956	0.15	0.13	2,997
Quality Restaurant	1.12	0.62	5.90	0.01	0.01	1.22	1.23	0.01	0.31	0.32	—	1,315	1,315	0.09	0.06	1,336
Single Family Housing	0.19	0.12	1.18	< 0.005	< 0.005	0.27	0.28	< 0.005	0.07	0.07	—	291	291	0.02	0.01	296
Total	11.7	7.96	75.7	0.19	0.14	18.2	18.3	0.13	4.60	4.73	—	19,251	19,251	1.01	0.83	19,524
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	1.15	0.82	7.94	0.02	0.01	1.95	1.97	0.01	0.50	0.51	—	1,896	1,896	0.09	0.08	1,924
Golf Course	0.40	0.26	2.46	0.01	< 0.005	0.57	0.57	< 0.005	0.14	0.15	—	553	553	0.03	0.02	562
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.31	0.22	2.09	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	493	493	0.02	0.02	500
Quality Restaurant	0.20	0.11	1.06	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	219	219	0.01	0.01	223
Single Family Housing	0.03	0.02	0.21	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	48.6	48.6	< 0.005	< 0.005	49.3

Total	2.11	1.43	13.8	0.03	0.03	3.30	3.32	0.02	0.84	0.86	—	3,209	3,209	0.16	0.14	3,257

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	296	296	0.22	0.03	309
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	12.4	12.4	0.01	< 0.005	12.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	100	100	0.07	0.01	104
Hotel	—	—	—	—	—	—	—	—	—	—	—	296	296	0.22	0.03	309
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	16.2	16.2	0.01	< 0.005	16.9
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.01	< 0.005	11.2
Total	—	—	—	—	—	—	—	—	—	—	—	731	731	0.53	0.06	764
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	296	296	0.22	0.03	309

Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	12.4	12.4	0.01	< 0.005	12.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	100	100	0.07	0.01	104
Hotel	—	—	—	—	—	—	—	—	—	—	—	296	296	0.22	0.03	309
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	16.2	16.2	0.01	< 0.005	16.9
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.01	< 0.005	11.2
Total	—	—	—	—	—	—	—	—	—	—	—	731	731	0.53	0.06	764
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	49.0	49.0	0.04	< 0.005	51.2
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	2.05	2.05	< 0.005	< 0.005	2.14
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6	0.01	< 0.005	17.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	48.9	48.9	0.04	< 0.005	51.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.68	2.68	< 0.005	< 0.005	2.80
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.78	1.78	< 0.005	< 0.005	1.86
Total	—	—	—	—	—	—	—	—	—	—	—	121	121	0.09	0.01	126

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	279	279	0.20	0.02	292
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	12.4	12.4	0.01	< 0.005	12.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	100	100	0.07	0.01	104
Hotel	—	—	—	—	—	—	—	—	—	—	—	278	278	0.20	0.02	291
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	14.0	14.0	0.01	< 0.005	14.7
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.3	10.3	0.01	< 0.005	10.8
Total	—	—	—	—	—	—	—	—	—	—	—	694	694	0.51	0.06	725
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	279	279	0.20	0.02	292
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	12.4	12.4	0.01	< 0.005	12.9

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	100	100	0.07	0.01	104
Hotel	—	—	—	—	—	—	—	—	—	—	—	278	278	0.20	0.02	291
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	14.0	14.0	0.01	< 0.005	14.7
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.3	10.3	0.01	< 0.005	10.8
Total	—	—	—	—	—	—	—	—	—	—	—	694	694	0.51	0.06	725
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	46.2	46.2	0.03	< 0.005	48.3
Golf Course	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	2.05	2.05	< 0.005	< 0.005	2.14
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6	0.01	< 0.005	17.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	46.1	46.1	0.03	< 0.005	48.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.32	2.32	< 0.005	< 0.005	2.43
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.71	1.71	< 0.005	< 0.005	1.78
Total	—	—	—	—	—	—	—	—	—	—	—	115	115	0.08	0.01	120

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Golf Course	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Single Family Housing	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Golf Course	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Racquet Club	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Single Family Housing	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Golf Course	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	22.0
Single Family Housing	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	22.0

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Golf Course	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Single Family Housing	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Golf Course	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Hotel	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Single Family Housing	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Golf Course	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	22.0
Single Family Housing	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	22.0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.74	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Total	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.74	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Total	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	0.02	4.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.22	9.22	< 0.005	< 0.005	9.26
Total	2.11	0.02	4.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.22	9.22	< 0.005	< 0.005	9.26

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.74	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Total	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.74	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.3	79.3	< 0.005	< 0.005	79.6
Total	11.8	0.19	38.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	79.3	79.3	< 0.005	< 0.005	79.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	0.02	4.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.22	9.22	< 0.005	< 0.005	9.26
Total	2.11	0.02	4.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.22	9.22	< 0.005	< 0.005	9.26

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	15.9	7.93	23.8	1.63	0.04	76.4
Golf Course	—	—	—	—	—	—	—	—	—	—	0.00	98.6	98.6	0.07	0.01	103

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	2.64	1.16	3.80	0.27	0.01	12.6
Hotel	—	—	—	—	—	—	—	—	—	—	2.53	2.02	4.54	0.26	0.01	12.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.14	0.94	3.08	0.22	0.01	10.1
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.40	1.02	1.42	0.04	< 0.005	2.80
Total	—	—	—	—	—	—	—	—	—	—	23.6	112	135	2.50	0.07	218
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	15.9	7.93	23.8	1.63	0.04	76.4
Golf Course	—	—	—	—	—	—	—	—	—	—	0.00	98.6	98.6	0.07	0.01	103
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	2.64	1.16	3.80	0.27	0.01	12.6
Hotel	—	—	—	—	—	—	—	—	—	—	2.53	2.02	4.54	0.26	0.01	12.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.14	0.94	3.08	0.22	0.01	10.1
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.40	1.02	1.42	0.04	< 0.005	2.80
Total	—	—	—	—	—	—	—	—	—	—	23.6	112	135	2.50	0.07	218

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	2.63	1.31	3.94	0.27	0.01	12.7
Golf Course	—	—	—	—	—	—	—	—	—	—	0.00	16.3	16.3	0.01	< 0.005	17.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	0.44	0.19	0.63	0.05	< 0.005	2.08
Hotel	—	—	—	—	—	—	—	—	—	—	0.42	0.33	0.75	0.04	< 0.005	2.14
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.35	0.16	0.51	0.04	< 0.005	1.68
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.07	0.17	0.24	0.01	< 0.005	0.46
Total	—	—	—	—	—	—	—	—	—	—	3.91	18.5	22.4	0.41	0.01	36.1

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	13.1	6.73	19.9	1.35	0.03	63.4
Golf Course	—	—	—	—	—	—	—	—	—	—	0.00	98.6	98.6	0.07	0.01	103
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	2.34	1.03	3.37	0.24	0.01	11.1
Hotel	—	—	—	—	—	—	—	—	—	—	2.23	1.88	4.11	0.23	0.01	11.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.93	0.85	2.78	0.20	< 0.005	9.16
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.33	0.99	1.32	0.03	< 0.005	2.46
Total	—	—	—	—	—	—	—	—	—	—	20.0	110	130	2.13	0.06	201
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	13.1	6.73	19.9	1.35	0.03	63.4
Golf Course	—	—	—	—	—	—	—	—	—	—	0.00	98.6	98.6	0.07	0.01	103
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	2.34	1.03	3.37	0.24	0.01	11.1
Hotel	—	—	—	—	—	—	—	—	—	—	2.23	1.88	4.11	0.23	0.01	11.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.93	0.85	2.78	0.20	< 0.005	9.16
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.33	0.99	1.32	0.03	< 0.005	2.46
Total	—	—	—	—	—	—	—	—	—	—	20.0	110	130	2.13	0.06	201
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	2.18	1.11	3.29	0.22	0.01	10.5
Golf Course	—	—	—	—	—	—	—	—	—	—	0.00	16.3	16.3	0.01	< 0.005	17.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	0.39	0.17	0.56	0.04	< 0.005	1.84
Hotel	—	—	—	—	—	—	—	—	—	—	0.37	0.31	0.68	0.04	< 0.005	1.91
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.32	0.14	0.46	0.03	< 0.005	1.52
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.06	0.16	0.22	0.01	< 0.005	0.41
Total	—	—	—	—	—	—	—	—	—	—	3.31	18.2	21.5	0.35	0.01	33.2

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	94.0	0.00	94.0	9.39	0.00	329
Golf Course	—	—	—	—	—	—	—	—	—	—	52.1	0.00	52.1	5.21	0.00	182
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	71.7	0.00	71.7	7.16	0.00	251
Hotel	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	53.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.81	0.00	1.81	0.18	0.00	6.32
Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.17	0.00	2.17	0.22	0.00	7.60
Total	—	—	—	—	—	—	—	—	—	—	237	0.00	237	23.7	0.00	830
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	94.0	0.00	94.0	9.39	0.00	329
Golf Course	—	—	—	—	—	—	—	—	—	—	52.1	0.00	52.1	5.21	0.00	182
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	71.7	0.00	71.7	7.16	0.00	251
Hotel	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	53.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.81	0.00	1.81	0.18	0.00	6.32
Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.17	0.00	2.17	0.22	0.00	7.60
Total	—	—	—	—	—	—	—	—	—	—	237	0.00	237	23.7	0.00	830
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	54.4
Golf Course	—	—	—	—	—	—	—	—	—	—	8.63	0.00	8.63	0.86	0.00	30.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	11.9	0.00	11.9	1.19	0.00	41.5
Hotel	—	—	—	—	—	—	—	—	—	—	2.54	0.00	2.54	0.25	0.00	8.89
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.30	0.00	0.30	0.03	0.00	1.05
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.36	0.00	0.36	0.04	0.00	1.26
Total	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.92	0.00	137

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	70.5	0.00	70.5	7.05	0.00	247
Golf Course	—	—	—	—	—	—	—	—	—	—	39.1	0.00	39.1	3.91	0.00	137
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Racquet Club	—	—	—	—	—	—	—	—	—	—	53.7	0.00	53.7	5.37	0.00	188
Hotel	—	—	—	—	—	—	—	—	—	—	11.5	0.00	11.5	1.15	0.00	40.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.36	0.00	1.36	0.14	0.00	4.74
Single Family Housing	—	—	—	—	—	—	—	—	—	—	1.63	0.00	1.63	0.16	0.00	5.70
Total	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	70.5	0.00	70.5	7.05	0.00	247
Golf Course	—	—	—	—	—	—	—	—	—	—	39.1	0.00	39.1	3.91	0.00	137
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	53.7	0.00	53.7	5.37	0.00	188
Hotel	—	—	—	—	—	—	—	—	—	—	11.5	0.00	11.5	1.15	0.00	40.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.36	0.00	1.36	0.14	0.00	4.74
Single Family Housing	—	—	—	—	—	—	—	—	—	—	1.63	0.00	1.63	0.16	0.00	5.70
Total	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	622
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	11.7	0.00	11.7	1.17	0.00	40.8
Golf Course	—	—	—	—	—	—	—	—	—	—	6.47	0.00	6.47	0.65	0.00	22.6

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	8.90	0.00	8.90	0.89	0.00	31.1
Hotel	—	—	—	—	—	—	—	—	—	—	1.91	0.00	1.91	0.19	0.00	6.67
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.22	0.00	0.22	0.02	0.00	0.79
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.27	0.00	0.27	0.03	0.00	0.94
Total	—	—	—	—	—	—	—	—	—	—	29.4	0.00	29.4	2.94	0.00	103

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.79
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.74

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.79
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.74
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.95
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.8

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.79
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.74
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.79
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.74
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30
Golf Course	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Racquet Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.95
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.8

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description

NAR-Demolition	Demolition	7/1/2026	9/8/2026	5.00	50.0	—
Project import	Site Preparation	8/4/2025	2/6/2026	5.00	135	—
Hotel/Golf Course-Grading Excavation	Site Preparation	8/1/2026	4/28/2027	5.00	193	—
NAR-Grading	Grading	8/1/2026	11/6/2026	5.00	70.0	—
WAR-Grading	Grading	8/1/2026	10/23/2026	5.00	60.0	—
Hotel/Golf Course-Grading	Grading	3/24/2027	11/30/2027	5.00	180	—
NAR-Building Construction	Building Construction	5/1/2027	1/12/2029	5.00	445	—
WAR-Building Construction	Building Construction	5/1/2027	12/3/2028	5.00	415	—
Hotel/Golf Course-Clubhouse Construction	Building Construction	12/1/2027	4/29/2028	5.00	108	—
Hotel/Golf Course - Hotel Construction	Building Construction	4/9/2028	11/15/2028	5.00	158	—
Project Paving	Paving	7/13/2027	1/14/2028	5.00	134	—
NAR-Architectural Coating	Architectural Coating	8/1/2028	1/12/2029	5.00	119	—
WAR-Architectural Coating	Architectural Coating	9/1/2028	12/3/2028	5.00	66.0	—
Hotel/Golf Course-Clubhouse Architectural Coa	Architectural Coating	3/1/2028	3/29/2028	5.00	21.0	—
Hotel/Golf Course-Hotel Architectural Coating	Architectural Coating	11/20/2028	12/26/2028	5.00	27.0	—
NAR - Wet Utilities	Trenching	11/10/2026	7/12/2027	5.00	175	—
NAR - Dry Utilities	Trenching	2/27/2027	8/24/2027	5.00	127	—
WAR - Wet Utilities	Trenching	11/10/2026	4/26/2027	5.00	120	—
WAR - Dry Utilities	Trenching	2/27/2027	7/16/2027	5.00	100	—
Hotel/Golf Course-Finish	Trenching	4/2/2028	6/6/2028	5.00	47.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
NAR-Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	4.00	33.0	0.73
NAR-Demolition	Excavators	Diesel	Average	1.00	4.00	36.0	0.38
NAR-Demolition	Crawler Tractors	Diesel	Average	1.00	4.00	87.0	0.43
Project import	Crawler Tractors	Diesel	Average	1.00	6.00	87.0	0.43
Hotel/Golf Course-Grading Excavation	Rubber Tired Dozers	Diesel	Average	1.00	2.00	367	0.40
Hotel/Golf Course-Grading Excavation	Graders	Diesel	Average	1.00	2.00	148	0.41
Hotel/Golf Course-Grading Excavation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Hotel/Golf Course-Grading Excavation	Crawler Tractors	Diesel	Average	1.00	3.00	87.0	0.43
NAR-Grading	Graders	Diesel	Average	1.00	4.00	148	0.41
NAR-Grading	Rubber Tired Dozers	Diesel	Average	1.00	4.00	367	0.40
NAR-Grading	Scrapers	Diesel	Average	2.00	4.00	423	0.48
NAR-Grading	Crawler Tractors	Diesel	Average	2.00	4.00	87.0	0.43
WAR-Grading	Graders	Diesel	Average	1.00	4.00	148	0.41
WAR-Grading	Rubber Tired Dozers	Diesel	Average	1.00	4.00	367	0.40
WAR-Grading	Scrapers	Diesel	Average	2.00	4.00	423	0.48
WAR-Grading	Crawler Tractors	Diesel	Average	2.00	4.00	87.0	0.43
Hotel/Golf Course-Grading	Graders	Diesel	Average	1.00	4.00	148	0.41

Hotel/Golf Course-Grading	Rubber Tired Dozers	Diesel	Average	1.00	4.00	367	0.40
Hotel/Golf Course-Grading	Scrapers	Diesel	Average	2.00	4.00	423	0.48
Hotel/Golf Course-Grading	Crawler Tractors	Diesel	Average	2.00	4.00	87.0	0.43
NAR-Building Construction	Forklifts	Diesel	Average	2.00	4.00	82.0	0.20
NAR-Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
NAR-Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
NAR-Building Construction	Rough Terrain Forklifts	Diesel	Average	1.00	4.00	96.0	0.40
WAR-Building Construction	Forklifts	Diesel	Average	2.00	4.00	82.0	0.20
WAR-Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
WAR-Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
WAR-Building Construction	Rough Terrain Forklifts	Diesel	Average	1.00	4.00	96.0	0.40
Hotel/Golf Course-Clubhouse Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Hotel/Golf Course-Clubhouse Construction	Forklifts	Diesel	Average	1.00	4.00	82.0	0.20
Hotel/Golf Course-Clubhouse Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Hotel/Golf Course-Clubhouse Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45

Hotel/Golf Course-Clubhouse Construction	Rough Terrain Forklifts	Diesel	Average	1.00	4.00	96.0	0.40
Hotel/Golf Course - Hotel Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Hotel/Golf Course - Hotel Construction	Forklifts	Diesel	Average	1.00	4.00	82.0	0.20
Hotel/Golf Course - Hotel Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Hotel/Golf Course - Hotel Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Hotel/Golf Course - Hotel Construction	Rough Terrain Forklifts	Diesel	Average	1.00	4.00	96.0	0.40
Project Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Project Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Project Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
NAR-Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
WAR-Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Hotel/Golf Course-Clubhouse Architectural Coa	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Hotel/Golf Course-Hotel Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
NAR - Wet Utilities	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
NAR - Wet Utilities	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
NAR - Wet Utilities	Rubber Tired Loaders	Diesel	Average	2.00	6.00	150	0.36
NAR - Dry Utilities	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
NAR - Dry Utilities	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
NAR - Dry Utilities	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

WAR - Wet Utilities	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
WAR - Wet Utilities	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
WAR - Wet Utilities	Rubber Tired Loaders	Diesel	Average	2.00	6.00	150	0.36
WAR - Dry Utilities	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
WAR - Dry Utilities	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
WAR - Dry Utilities	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Hotel/Golf Course-Finish	Graders	Diesel	Average	1.00	8.00	148	0.41
Hotel/Golf Course-Finish	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Hotel/Golf Course-Finish	Scrapers	Diesel	Average	1.00	5.00	423	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
NAR-Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	4.00	33.0	0.73
NAR-Demolition	Excavators	Diesel	Tier 4 Final	1.00	4.00	36.0	0.38
NAR-Demolition	Crawler Tractors	Diesel	Tier 4 Final	1.00	4.00	87.0	0.43
Project import	Crawler Tractors	Diesel	Tier 4 Final	1.00	6.00	87.0	0.43
Hotel/Golf Course-Grading Excavation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	2.00	367	0.40
Hotel/Golf Course-Grading Excavation	Graders	Diesel	Tier 4 Final	1.00	2.00	148	0.41
Hotel/Golf Course-Grading Excavation	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48

Hotel/Golf Course-Grading Excavation	Crawler Tractors	Diesel	Tier 4 Final	1.00	3.00	87.0	0.43
NAR-Grading	Graders	Diesel	Tier 4 Final	1.00	4.00	148	0.41
NAR-Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	4.00	367	0.40
NAR-Grading	Scrapers	Diesel	Tier 4 Final	2.00	4.00	423	0.48
NAR-Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	4.00	87.0	0.43
WAR-Grading	Graders	Diesel	Tier 4 Final	1.00	4.00	148	0.41
WAR-Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	4.00	367	0.40
WAR-Grading	Scrapers	Diesel	Tier 4 Final	2.00	4.00	423	0.48
WAR-Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	4.00	87.0	0.43
Hotel/Golf Course-Grading	Graders	Diesel	Tier 4 Final	1.00	4.00	148	0.41
Hotel/Golf Course-Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	4.00	367	0.40
Hotel/Golf Course-Grading	Scrapers	Diesel	Tier 4 Final	2.00	4.00	423	0.48
Hotel/Golf Course-Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	4.00	87.0	0.43
NAR-Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	4.00	82.0	0.20
NAR-Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
NAR-Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
NAR-Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	4.00	96.0	0.40
WAR-Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	4.00	82.0	0.20
WAR-Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
WAR-Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45

WAR-Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	4.00	96.0	0.40
Hotel/Golf Course-Clubhouse Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Hotel/Golf Course-Clubhouse Construction	Forklifts	Diesel	Tier 4 Final	1.00	4.00	82.0	0.20
Hotel/Golf Course-Clubhouse Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Hotel/Golf Course-Clubhouse Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Hotel/Golf Course-Clubhouse Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	4.00	96.0	0.40
Hotel/Golf Course - Hotel Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Hotel/Golf Course - Hotel Construction	Forklifts	Diesel	Tier 4 Final	1.00	4.00	82.0	0.20
Hotel/Golf Course - Hotel Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Hotel/Golf Course - Hotel Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Hotel/Golf Course - Hotel Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	4.00	96.0	0.40
Project Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Project Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Project Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
NAR-Architectural Coating	Air Compressors	Electric	Tier 4 Final	1.00	6.00	37.0	0.48
WAR-Architectural Coating	Air Compressors	Electric	Tier 4 Final	1.00	6.00	37.0	0.48

Hotel/Golf Course-Clubhouse Architectural Coa	Air Compressors	Electric	Tier 4 Final	1.00	6.00	37.0	0.48
Hotel/Golf Course-Hotel Architectural Coating	Air Compressors	Electric	Tier 4 Final	1.00	6.00	37.0	0.48
NAR - Wet Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
NAR - Wet Utilities	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
NAR - Wet Utilities	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	6.00	150	0.36
NAR - Dry Utilities	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
NAR - Dry Utilities	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
NAR - Dry Utilities	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
WAR - Wet Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
WAR - Wet Utilities	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
WAR - Wet Utilities	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	6.00	150	0.36
WAR - Dry Utilities	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
WAR - Dry Utilities	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
WAR - Dry Utilities	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Hotel/Golf Course-Finish	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Hotel/Golf Course-Finish	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Hotel/Golf Course-Finish	Scrapers	Diesel	Tier 4 Final	1.00	5.00	423	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
NAR-Demolition	—	—	—	—
NAR-Demolition	Worker	18.0	10.8	LDA,LDT1,LDT2
NAR-Demolition	Vendor	6.00	7.30	HHDT,MHDT
NAR-Demolition	Hauling	46.0	20.0	HHDT
NAR-Demolition	Onsite truck	—	—	HHDT
Project import	—	—	—	—
Project import	Worker	18.0	10.8	LDA,LDT1,LDT2
Project import	Vendor	6.00	7.30	HHDT,MHDT
Project import	Hauling	222	4.00	HHDT
Project import	Onsite truck	—	—	HHDT
Hotel/Golf Course-Grading Excavation	—	—	—	—
Hotel/Golf Course-Grading Excavation	Worker	16.0	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Grading Excavation	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Grading Excavation	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Grading Excavation	Onsite truck	—	—	HHDT
NAR-Grading	—	—	—	—
NAR-Grading	Worker	22.0	10.8	LDA,LDT1,LDT2
NAR-Grading	Vendor	6.00	7.30	HHDT,MHDT
NAR-Grading	Hauling	0.00	20.0	HHDT
NAR-Grading	Onsite truck	—	—	HHDT
WAR-Grading	—	—	—	—
WAR-Grading	Worker	22.0	10.8	LDA,LDT1,LDT2
WAR-Grading	Vendor	6.00	7.30	HHDT,MHDT
WAR-Grading	Hauling	0.00	20.0	HHDT

WAR-Grading	Onsite truck	—	—	HHDT
Hotel/Golf Course-Grading	—	—	—	—
Hotel/Golf Course-Grading	Worker	22.0	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Grading	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Grading	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Grading	Onsite truck	—	—	HHDT
NAR-Building Construction	—	—	—	—
NAR-Building Construction	Worker	82.0	10.8	LDA,LDT1,LDT2
NAR-Building Construction	Vendor	24.0	7.30	HHDT,MHDT
NAR-Building Construction	Hauling	0.00	20.0	HHDT
NAR-Building Construction	Onsite truck	—	—	HHDT
WAR-Building Construction	—	—	—	—
WAR-Building Construction	Worker	38.0	10.8	LDA,LDT1,LDT2
WAR-Building Construction	Vendor	11.7	7.30	HHDT,MHDT
WAR-Building Construction	Hauling	0.00	20.0	HHDT
WAR-Building Construction	Onsite truck	—	—	HHDT
Hotel/Golf Course-Clubhouse Construction	—	—	—	—
Hotel/Golf Course-Clubhouse Construction	Worker	9.00	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Clubhouse Construction	Vendor	4.00	7.30	HHDT,MHDT
Hotel/Golf Course-Clubhouse Construction	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Clubhouse Construction	Onsite truck	—	—	HHDT
Hotel/Golf Course - Hotel Construction	—	—	—	—
Hotel/Golf Course - Hotel Construction	Worker	14.0	10.8	LDA,LDT1,LDT2

Hotel/Golf Course - Hotel Construction	Vendor	4.00	7.30	HHDT,MHDT
Hotel/Golf Course - Hotel Construction	Hauling	0.00	20.0	HHDT
Hotel/Golf Course - Hotel Construction	Onsite truck	—	—	HHDT
Project Paving	—	—	—	—
Project Paving	Worker	18.0	10.8	LDA,LDT1,LDT2
Project Paving	Vendor	6.00	7.30	HHDT,MHDT
Project Paving	Hauling	0.00	20.0	HHDT
Project Paving	Onsite truck	—	—	HHDT
NAR-Architectural Coating	—	—	—	—
NAR-Architectural Coating	Worker	16.0	10.8	LDA,LDT1,LDT2
NAR-Architectural Coating	Vendor	6.00	7.30	HHDT,MHDT
NAR-Architectural Coating	Hauling	0.00	20.0	HHDT
NAR-Architectural Coating	Onsite truck	—	—	HHDT
WAR-Architectural Coating	—	—	—	—
WAR-Architectural Coating	Worker	8.00	10.8	LDA,LDT1,LDT2
WAR-Architectural Coating	Vendor	6.00	7.30	HHDT,MHDT
WAR-Architectural Coating	Hauling	0.00	20.0	HHDT
WAR-Architectural Coating	Onsite truck	—	—	HHDT
Hotel/Golf Course- Clubhouse Architectural Coa	—	—	—	—
Hotel/Golf Course- Clubhouse Architectural Coa	Worker	2.00	10.8	LDA,LDT1,LDT2
Hotel/Golf Course- Clubhouse Architectural Coa	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course- Clubhouse Architectural Coa	Hauling	0.00	20.0	HHDT
Hotel/Golf Course- Clubhouse Architectural Coa	Onsite truck	—	—	HHDT

Hotel/Golf Course-Hotel Architectural Coating	—	—	—	—
Hotel/Golf Course-Hotel Architectural Coating	Worker	3.00	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Hotel Architectural Coating	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Hotel Architectural Coating	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Hotel Architectural Coating	Onsite truck	—	—	HHDT
NAR - Wet Utilities	—	—	—	—
NAR - Wet Utilities	Worker	22.0	10.8	LDA,LDT1,LDT2
NAR - Wet Utilities	Vendor	6.00	7.30	HHDT,MHDT
NAR - Wet Utilities	Hauling	0.00	20.0	HHDT
NAR - Wet Utilities	Onsite truck	—	—	HHDT
NAR - Dry Utilities	—	—	—	—
NAR - Dry Utilities	Worker	20.0	10.8	LDA,LDT1,LDT2
NAR - Dry Utilities	Vendor	6.00	7.30	HHDT,MHDT
NAR - Dry Utilities	Hauling	0.00	20.0	HHDT
NAR - Dry Utilities	Onsite truck	—	—	HHDT
WAR - Wet Utilities	—	—	—	—
WAR - Wet Utilities	Worker	22.0	10.8	LDA,LDT1,LDT2
WAR - Wet Utilities	Vendor	6.00	7.30	HHDT,MHDT
WAR - Wet Utilities	Hauling	0.00	20.0	HHDT
WAR - Wet Utilities	Onsite truck	—	—	HHDT
WAR - Dry Utilities	—	—	—	—
WAR - Dry Utilities	Worker	20.0	10.8	LDA,LDT1,LDT2
WAR - Dry Utilities	Vendor	5.00	7.30	HHDT,MHDT
WAR - Dry Utilities	Hauling	0.00	20.0	HHDT
WAR - Dry Utilities	Onsite truck	—	—	HHDT

Hotel/Golf Course-Finish	—	—	—	—
Hotel/Golf Course-Finish	Worker	12.0	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Finish	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Finish	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Finish	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
NAR-Demolition	—	—	—	—
NAR-Demolition	Worker	18.0	10.8	LDA,LDT1,LDT2
NAR-Demolition	Vendor	6.00	7.30	HHDT,MHDT
NAR-Demolition	Hauling	46.0	20.0	HHDT
NAR-Demolition	Onsite truck	—	—	HHDT
Project import	—	—	—	—
Project import	Worker	18.0	10.8	LDA,LDT1,LDT2
Project import	Vendor	6.00	7.30	HHDT,MHDT
Project import	Hauling	222	4.00	HHDT
Project import	Onsite truck	—	—	HHDT
Hotel/Golf Course-Grading Excavation	—	—	—	—
Hotel/Golf Course-Grading Excavation	Worker	16.0	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Grading Excavation	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Grading Excavation	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Grading Excavation	Onsite truck	—	—	HHDT
NAR-Grading	—	—	—	—
NAR-Grading	Worker	22.0	10.8	LDA,LDT1,LDT2

NAR-Grading	Vendor	6.00	7.30	HHDT,MHDT
NAR-Grading	Hauling	0.00	20.0	HHDT
NAR-Grading	Onsite truck	—	—	HHDT
WAR-Grading	—	—	—	—
WAR-Grading	Worker	22.0	10.8	LDA,LDT1,LDT2
WAR-Grading	Vendor	6.00	7.30	HHDT,MHDT
WAR-Grading	Hauling	0.00	20.0	HHDT
WAR-Grading	Onsite truck	—	—	HHDT
Hotel/Golf Course-Grading	—	—	—	—
Hotel/Golf Course-Grading	Worker	22.0	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Grading	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Grading	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Grading	Onsite truck	—	—	HHDT
NAR-Building Construction	—	—	—	—
NAR-Building Construction	Worker	82.0	10.8	LDA,LDT1,LDT2
NAR-Building Construction	Vendor	24.0	7.30	HHDT,MHDT
NAR-Building Construction	Hauling	0.00	20.0	HHDT
NAR-Building Construction	Onsite truck	—	—	HHDT
WAR-Building Construction	—	—	—	—
WAR-Building Construction	Worker	38.0	10.8	LDA,LDT1,LDT2
WAR-Building Construction	Vendor	11.7	7.30	HHDT,MHDT
WAR-Building Construction	Hauling	0.00	20.0	HHDT
WAR-Building Construction	Onsite truck	—	—	HHDT
Hotel/Golf Course-Clubhouse Construction	—	—	—	—
Hotel/Golf Course-Clubhouse Construction	Worker	9.00	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Clubhouse Construction	Vendor	4.00	7.30	HHDT,MHDT

Hotel/Golf Course-Clubhouse Construction	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Clubhouse Construction	Onsite truck	—	—	HHDT
Hotel/Golf Course - Hotel Construction	—	—	—	—
Hotel/Golf Course - Hotel Construction	Worker	14.0	10.8	LDA,LDT1,LDT2
Hotel/Golf Course - Hotel Construction	Vendor	4.00	7.30	HHDT,MHDT
Hotel/Golf Course - Hotel Construction	Hauling	0.00	20.0	HHDT
Hotel/Golf Course - Hotel Construction	Onsite truck	—	—	HHDT
Project Paving	—	—	—	—
Project Paving	Worker	18.0	10.8	LDA,LDT1,LDT2
Project Paving	Vendor	6.00	7.30	HHDT,MHDT
Project Paving	Hauling	0.00	20.0	HHDT
Project Paving	Onsite truck	—	—	HHDT
NAR-Architectural Coating	—	—	—	—
NAR-Architectural Coating	Worker	16.0	10.8	LDA,LDT1,LDT2
NAR-Architectural Coating	Vendor	6.00	7.30	HHDT,MHDT
NAR-Architectural Coating	Hauling	0.00	20.0	HHDT
NAR-Architectural Coating	Onsite truck	—	—	HHDT
WAR-Architectural Coating	—	—	—	—
WAR-Architectural Coating	Worker	8.00	10.8	LDA,LDT1,LDT2
WAR-Architectural Coating	Vendor	6.00	7.30	HHDT,MHDT
WAR-Architectural Coating	Hauling	0.00	20.0	HHDT
WAR-Architectural Coating	Onsite truck	—	—	HHDT
Hotel/Golf Course- Clubhouse Architectural Coa	—	—	—	—

Hotel/Golf Course- Clubhouse Architectural Coa	Worker	2.00	10.8	LDA,LDT1,LDT2
Hotel/Golf Course- Clubhouse Architectural Coa	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course- Clubhouse Architectural Coa	Hauling	0.00	20.0	HHDT
Hotel/Golf Course- Clubhouse Architectural Coa	Onsite truck	—	—	HHDT
Hotel/Golf Course-Hotel Architectural Coating	—	—	—	—
Hotel/Golf Course-Hotel Architectural Coating	Worker	3.00	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Hotel Architectural Coating	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Hotel Architectural Coating	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Hotel Architectural Coating	Onsite truck	—	—	HHDT
NAR - Wet Utilities	—	—	—	—
NAR - Wet Utilities	Worker	22.0	10.8	LDA,LDT1,LDT2
NAR - Wet Utilities	Vendor	6.00	7.30	HHDT,MHDT
NAR - Wet Utilities	Hauling	0.00	20.0	HHDT
NAR - Wet Utilities	Onsite truck	—	—	HHDT
NAR - Dry Utilities	—	—	—	—
NAR - Dry Utilities	Worker	20.0	10.8	LDA,LDT1,LDT2
NAR - Dry Utilities	Vendor	6.00	7.30	HHDT,MHDT
NAR - Dry Utilities	Hauling	0.00	20.0	HHDT
NAR - Dry Utilities	Onsite truck	—	—	HHDT
WAR - Wet Utilities	—	—	—	—
WAR - Wet Utilities	Worker	22.0	10.8	LDA,LDT1,LDT2
WAR - Wet Utilities	Vendor	6.00	7.30	HHDT,MHDT
WAR - Wet Utilities	Hauling	0.00	20.0	HHDT

WAR - Wet Utilities	Onsite truck	—	—	HHDT
WAR - Dry Utilities	—	—	—	—
WAR - Dry Utilities	Worker	20.0	10.8	LDA,LDT1,LDT2
WAR - Dry Utilities	Vendor	5.00	7.30	HHDT,MHDT
WAR - Dry Utilities	Hauling	0.00	20.0	HHDT
WAR - Dry Utilities	Onsite truck	—	—	HHDT
Hotel/Golf Course-Finish	—	—	—	—
Hotel/Golf Course-Finish	Worker	12.0	10.8	LDA,LDT1,LDT2
Hotel/Golf Course-Finish	Vendor	6.00	7.30	HHDT,MHDT
Hotel/Golf Course-Finish	Hauling	0.00	20.0	HHDT
Hotel/Golf Course-Finish	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
NAR-Architectural Coating	459,799	153,266	0.00	0.00	15,172
WAR-Architectural Coating	211,507	70,502	0.00	0.00	7,513
Hotel/Golf Course- Clubhouse Architectural Coa	0.00	0.00	69,213	23,071	7,420
Hotel/Golf Course-Hotel Architectural Coating	0.00	0.00	113,256	37,752	15,000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
NAR-Demolition	0.00	0.00	0.00	249,600	—
Project import	279,020	—	203	0.00	—
Hotel/Golf Course-Grading Excavation	—	—	277	0.00	—
NAR-Grading	—	—	140	0.00	—
WAR-Grading	—	—	120	0.00	—
Hotel/Golf Course-Grading	—	—	360	0.00	—
Project Paving	0.00	0.00	0.00	0.00	11.4

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Golf Course	0.00	0%
Parking Lot	2.63	100%
Other Asphalt Surfaces	8.68	100%
Racquet Club	0.00	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%
Single Family Housing	0.07	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	589	0.03	< 0.005
2027	0.00	589	0.03	< 0.005
2028	318	589	0.03	< 0.005
2029	79.5	589	0.03	< 0.005
2025	0.00	589	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	1,888	1,888	1,888	689,120	15,230	15,230	15,230	5,559,062
Golf Course	700	700	700	255,500	4,410	4,410	4,410	1,609,650
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	520	520	520	189,800	3,952	3,952	3,952	1,442,480
Quality Restaurant	368	368	368	134,138	1,727	1,727	1,727	630,446
Single Family Housing	60.0	60.0	60.0	21,900	388	388	388	141,474

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	1,888	1,888	1,888	689,120	15,230	15,230	15,230	5,559,062
Golf Course	700	700	700	255,500	4,410	4,410	4,410	1,609,650
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Racquet Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	520	520	520	189,800	3,952	3,952	3,952	1,442,480
Quality Restaurant	368	368	368	134,138	1,727	1,727	1,727	630,446
Single Family Housing	60.0	60.0	60.0	21,900	388	388	388	141,474

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	236
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0

No Fireplaces	6
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	236
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	6
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
530266.5	176,756	153,756	51,252	29,549

5.10.3. Landscape Equipment

Equipment Type	Fuel Type	Number Per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Lawn Mowers	Gasoline 4-Stroke	1.00	8.00	2,050	19.0	0.36

5.10.4. Landscape Equipment - Mitigated

Equipment Type	Fuel Type	Number Per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Lawn Mowers	Gasoline 4-Stroke	1.00	8.00	2,050	19.0	0.36

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	2,396,942	45.1	0.0330	0.0040	0.00
Golf Course	0.00	45.1	0.0330	0.0040	0.00
Parking Lot	100,281	45.1	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	45.1	0.0330	0.0040	0.00
Racquet Club	809,405	45.1	0.0330	0.0040	0.00
Hotel	2,392,075	45.1	0.0330	0.0040	0.00
Quality Restaurant	130,914	45.1	0.0330	0.0040	413,091
Single Family Housing	86,995	45.1	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	2,258,313	45.1	0.0330	0.0040	0.00
Golf Course	0.00	45.1	0.0330	0.0040	0.00
Parking Lot	100,281	45.1	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	45.1	0.0330	0.0040	0.00
Racquet Club	809,405	45.1	0.0330	0.0040	0.00
Hotel	2,253,368	45.1	0.0330	0.0040	0.00
Quality Restaurant	113,551	45.1	0.0330	0.0040	413,091
Single Family Housing	83,469	45.1	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	8,291,406	1,461,207
Golf Course	0.00	150,445,884
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Racquet Club	1,379,514	0.00
Hotel	1,319,072	1,382,066
Quality Restaurant	1,115,486	0.00
Single Family Housing	210,798	1,283,616

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Condo/Townhouse	6,858,651	1,461,207
Golf Course	0.00	150,445,884
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Racquet Club	1,223,629	0.00
Hotel	1,163,290	1,382,066
Quality Restaurant	1,007,284	0.00
Single Family Housing	173,951	1,283,616

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	174	—
Golf Course	96.7	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Racquet Club	133	—
Hotel	28.5	—
Quality Restaurant	3.35	—
Single Family Housing	4.03	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	131	—
Golf Course	72.5	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

Racquet Club	99.7	—
Hotel	21.4	—
Quality Restaurant	2.52	—
Single Family Housing	3.02	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Golf Course	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Golf Course	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Racquet Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Racquet Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Golf Course	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Golf Course	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Racquet Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Racquet Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.1	annual days of extreme heat
Extreme Precipitation	3.85	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.8	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	58.2
AQ-PM	43.8
AQ-DPM	56.0
Drinking Water	10.8
Lead Risk Housing	49.5
Pesticides	0.00
Toxic Releases	24.1
Traffic	53.7
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	79.8
Impaired Water Bodies	77.3
Solid Waste	37.6
Sensitive Population	—
Asthma	24.2
Cardio-vascular	17.7
Low Birth Weights	36.4
Socioeconomic Factor Indicators	—
Education	22.2
Housing	18.5
Linguistic	0.00

Poverty	15.6
Unemployment	37.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	81.09842166
Employed	86.50070576
Median HI	74.93904786
Education	—
Bachelor's or higher	51.50776338
High school enrollment	100
Preschool enrollment	37.5465161
Transportation	—
Auto Access	93.63531374
Active commuting	7.506736815
Social	—
2-parent households	45.15590915
Voting	80.50814834
Neighborhood	—
Alcohol availability	60.81098422
Park access	81.35506224
Retail density	11.76697036
Supermarket access	27.16540485
Tree canopy	19.70999615
Housing	—
Homeownership	78.22404722

Housing habitability	85.20467086
Low-inc homeowner severe housing cost burden	63.9291672
Low-inc renter severe housing cost burden	91.65918132
Uncrowded housing	41.84524573
Health Outcomes	—
Insured adults	76.20941871
Arthritis	0.0
Asthma ER Admissions	59.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.8
Cognitively Disabled	66.4
Physically Disabled	83.0
Heart Attack ER Admissions	49.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0

Climate Change Exposures	—
Wildfire Risk	7.9
SLR Inundation Area	0.0
Children	59.5
Elderly	66.3
English Speaking	63.1
Foreign-born	14.9
Outdoor Workers	35.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	39.6
Traffic Density	53.8
Traffic Access	23.0
Other Indices	—
Hardship	35.9
Other Decision Support	—
2016 Voting	88.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	15.0
Healthy Places Index Score for Project Location (b)	74.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Operations: Vehicle Data	Project Trip Generation (Carlton Oaks LTA 3-14-24) Golf Course is 700 trips for the 104 acres per Existing Development TG Memo 2024
Operations: Hearths	no hearths would be installed.
Operations: Landscape Equipment	GC
Operations: Energy Use	As a design feature, the project will only use Electricity. NG Energy was converted to Electrical Energy with the exception of restaurant. Restaurant will have NG.
Construction: Construction Phases	Construction Schedule
Construction: Off-Road Equipment	Project Construction Equipment Proposed
Construction: Trips and VMT	Per Project Engineer
Construction: Architectural Coatings	Per Construction Data
Construction: Dust From Material Movement	Soil Import

ATTACHMENT E

EMFAC 2021 EV Saturation Calculations (2029)

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Statewide
Region: California
Calendar Year: 2029
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOT

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	Total VMT
Statewide	2029	HHDT	Aggregate	Aggregate	Gasoline	73.16594485	7135.484
Statewide	2029	HHDT	Aggregate	Aggregate	Diesel	340009.8112	45771755
Statewide	2029	HHDT	Aggregate	Aggregate	Electricity	12304.73061	1483236
Statewide	2029	HHDT	Aggregate	Aggregate	Natural Gas	21166.61562	1317430
Statewide	2029	LDA	Aggregate	Aggregate	Gasoline	12617064.27	4.94E+08
Statewide	2029	LDA	Aggregate	Aggregate	Diesel	27398.56325	821290.7
Statewide	2029	LDA	Aggregate	Aggregate	Electricity	1092504.148	49787926
Statewide	2029	LDA	Aggregate	Aggregate	Plug-in Hybrid	473583.241	20822316
Statewide	2029	LDT1	Aggregate	Aggregate	Gasoline	1175800.929	40158564
Statewide	2029	LDT1	Aggregate	Aggregate	Diesel	78.58127906	1212.976
Statewide	2029	LDT1	Aggregate	Aggregate	Electricity	7578.58906	357151.1
Statewide	2029	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5865.768059	282135.1
Statewide	2029	LDT2	Aggregate	Aggregate	Gasoline	6745633.872	2.65E+08
Statewide	2029	LDT2	Aggregate	Aggregate	Diesel	24780.04044	994476.8
Statewide	2029	LDT2	Aggregate	Aggregate	Electricity	103169.2802	3495578
Statewide	2029	LDT2	Aggregate	Aggregate	Plug-in Hybrid	96050.93477	4359300
Statewide	2029	LHDT1	Aggregate	Aggregate	Gasoline	502634.5397	18965743
Statewide	2029	LHDT1	Aggregate	Aggregate	Diesel	367487.9987	13636000
Statewide	2029	LHDT1	Aggregate	Aggregate	Electricity	33861.75012	2082554
Statewide	2029	LHDT2	Aggregate	Aggregate	Gasoline	69930.83115	2522913
Statewide	2029	LHDT2	Aggregate	Aggregate	Diesel	156496.4638	5880464
Statewide	2029	LHDT2	Aggregate	Aggregate	Electricity	8679.13123	509360.8
Statewide	2029	MCY	Aggregate	Aggregate	Gasoline	707626.5764	4092316
Statewide	2029	MDV	Aggregate	Aggregate	Gasoline	4235386.361	1.57E+08
Statewide	2029	MDV	Aggregate	Aggregate	Diesel	62524.11176	2267647
Statewide	2029	MDV	Aggregate	Aggregate	Electricity	105688.9232	3563580
Statewide	2029	MDV	Aggregate	Aggregate	Plug-in Hybrid	60634.41042	2671028
Statewide	2029	MH	Aggregate	Aggregate	Gasoline	66636.52296	631082.2
Statewide	2029	MH	Aggregate	Aggregate	Diesel	35012.63627	321555
Statewide	2029	MHDT	Aggregate	Aggregate	Gasoline	43416.28855	2324786
Statewide	2029	MHDT	Aggregate	Aggregate	Diesel	295954.6701	12259160
Statewide	2029	MHDT	Aggregate	Aggregate	Electricity	18734.57999	1006225
Statewide	2029	MHDT	Aggregate	Aggregate	Natural Gas	3923.09113	171777.8
Statewide	2029	OBUS	Aggregate	Aggregate	Gasoline	10952.62959	446590.4
Statewide	2029	OBUS	Aggregate	Aggregate	Diesel	11187.32249	740664.5
Statewide	2029	OBUS	Aggregate	Aggregate	Electricity	381.6136429	31178.08
Statewide	2029	OBUS	Aggregate	Aggregate	Natural Gas	864.2462578	47699.29
Statewide	2029	SBUS	Aggregate	Aggregate	Gasoline	6762.888953	357014.5
Statewide	2029	SBUS	Aggregate	Aggregate	Diesel	18299.44265	395483.3
Statewide	2029	SBUS	Aggregate	Aggregate	Electricity	991.2161859	30372.09
Statewide	2029	SBUS	Aggregate	Aggregate	Natural Gas	5046.887521	119061.2
Statewide	2029	UBUS	Aggregate	Aggregate	Gasoline	2820.770454	242499.3
Statewide	2029	UBUS	Aggregate	Aggregate	Diesel	3040.168571	295882.7
Statewide	2029	UBUS	Aggregate	Aggregate	Electricity	1797.605257	199181.7
Statewide	2029	UBUS	Aggregate	Aggregate	Natural Gas	7332.492005	844376.8
						29,587,168.71	

	All Electric	2,021,826
	All Electric	6.83%
2029	4.3 Million	14.53%
2029	Difference	7.70%

ATTACHMENT F

PV System Installation Memorandums

LENNAR

July 22, 2024

MEMORANDUM

To: File

From: Alan Willingham, Senior Vice Present, Lennar Homes

Re: Carlton Oaks Residential Solar

This memo is to confirm that in conjunction with our solar provider, Sunnova, we evaluated the proposed architecture plans and plotting for both the residential Planning Areas at Carlton Oaks Golf Course. The result of the evaluation is that a photovoltaic system sized at 4.5KW per home will work based on the current product type. Based on today's business strategy, we will also be offering backup batteries on all homes.

Prepared for Carlton Oaks Country Club - Redevelopment Project
2016 California Building Energy Efficiency Standard - Solar PV Estimates

Roof Surface Area PV Potential

This document provides an estimate for a roof-mounted photovoltaic (PV) system surface area required per building in the proposed redevelopment design to meet the 2016 California Building Energy Efficiency Standards (Energy Stands) towards Net Zero Energy (NZE).

According to the 2016 Energy Standards NZE, non-residential buildings are required to provide 1.5 W of PV power per square foot of building area. Based on the site plan for the proposed design, a probable layout for roof mounted PV panels was developed on the roof surfaces to meet the minimum energy demand for each building. Factors considered in estimating the potential energy production of PV include usable roof surfaces, roof setbacks, roof conditions, average solar radiation of the project site location (Santee) (refer to attached data from NREL), and the specifications of standard commercial PV panels (78" x 39", or 21.2 sq. ft., with an approximate nominal efficiency of 19% and PV potential of 360 W per panel). Additional parameters include a standard PV mounting tilt of 20 degrees, an average system loss of 14%, and an inverter efficiency of 96% (see additional factors in the attachment).

Roof Surfaces

<u>Cottages:</u>
Building Area: ~9,003 sq. ft.
Required Energy: ~13,504.5 W (12.57 kW)
PV Panel Count: ~38 panels, equivalent to a minimum of 806 sq. ft. of PV area.
Total Roof Surface: ~8,761 sq. ft.
Provided Roof Area: 806 sq. ft., equivalent to ~38 PV panels with an estimated potential of 13,680 W (360 W per panel).
Estimated Annual Energy Production: ~23,605 kWh/year, based on average daily solar radiation of 6.23 kWh/m²/day and 14% system loss.

<u>Hotel:</u>
Building Area: ~16,720 sq. ft.
Required Energy: ~25,080 W (25.08 kW)
PV Panel Count: ~70 panels, equivalent to a minimum of 1,484 sq. ft. of PV area.
Total Roof Surface: ~9,274 sq. ft.

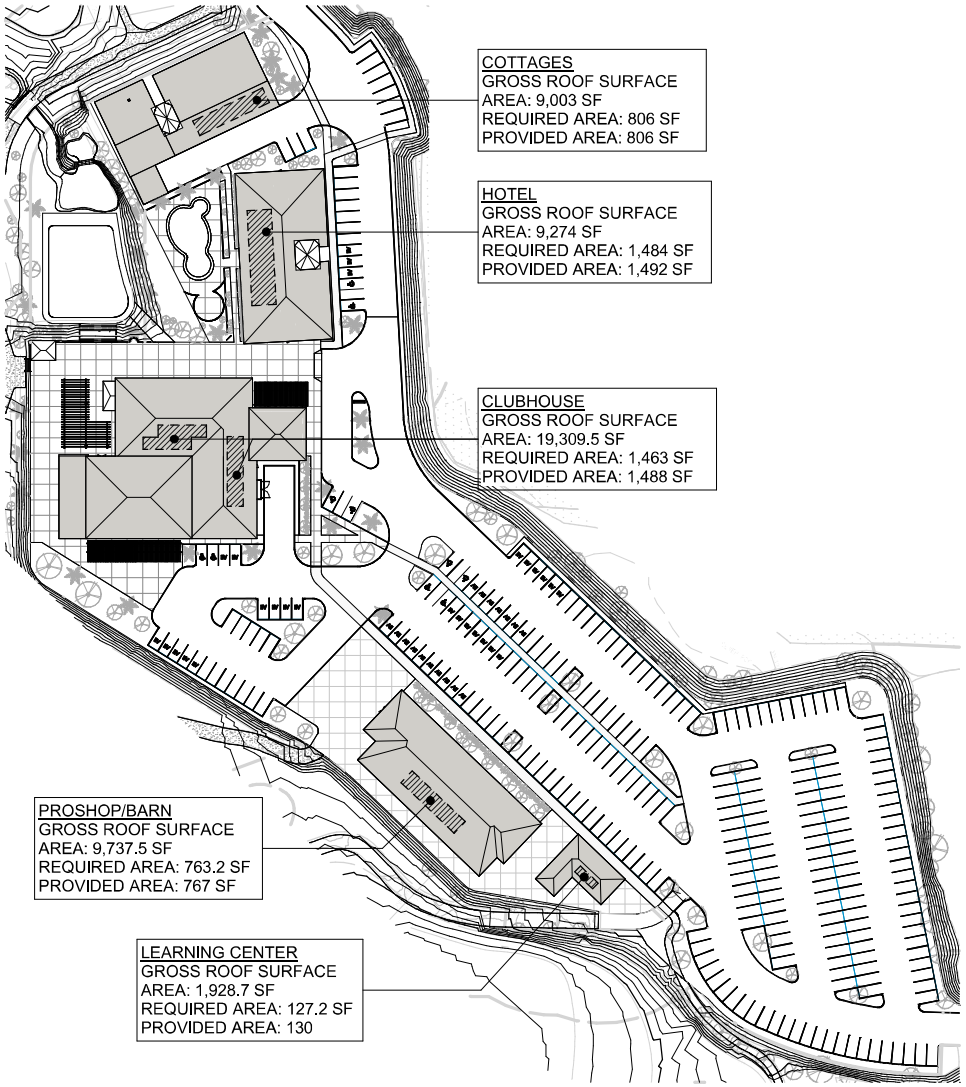
Provided Roof Area: 1,492 sq. ft., equivalent to ~70 PV panels with an estimated potential of 25,200 W (360 W per panel).
Estimated Annual Energy Production: ~43,250 kWh/year.

Clubhouse:
Building Area: ~16,475 sq. ft.
Required Energy: ~24,713 W (24.71 kW)
PV Panel Count: ~69 panels, equivalent to a minimum of 1,462 sq. ft. of PV area.
Total Roof Surface: ~19,309 sq. ft.
Provided Roof Area: 1,488 sq. ft., equivalent to ~70 PV panels with an estimated potential of 25,200 W (360 W per panel).
Estimated Annual Energy Production: ~43,250 kWh/year.

Pro-Shop & Cart Barn:
Building Area: ~8,383 sq. ft.
Required Energy: ~12,574.5 W (12.57 kW)
PV Panel Count: ~36 panels, equivalent to a minimum of 763.2 sq. ft. of PV area.
Total Roof Surface: ~8,761 sq. ft.
Provided Roof Area: 767 sq. ft., equivalent to ~36 PV panels with an estimated potential of 12,960 W (360 W per panel).
Estimated Annual Energy Production: ~22,243 kWh/year.

Learning Center:
Building Area: ~1,258 sq. ft.
Required Energy: ~1,887 W (1.89 kW)
PV Panel Count: ~6 panels, equivalent to a minimum of 127.2 sq. ft. of PV area.
Total Roof Surface: ~1,928.7 sq. ft.
Provided Roof Area: 130 sq. ft., equivalent to ~6 PV panels with an estimated potential of 2,160 W (360 W per panel).
Estimated Annual Energy Production: ~3,707 kWh/year.

Each building's PV layout is designed to meet or exceed the minimum energy demand based on the roof area available and energy standards for non-residential buildings. The system incorporates standard installation practices, with basic specifications to optimize energy generation and meet regulatory requirements. The estimate is based on program net sf, additional 2-4 panels will be added in calculation of the actual building gross sf during the final design.



COCC ROOF SURFACE PV POTENTIAL

	COTTAGES	HOTEL	CLUBHOUSE	PROSHOP	LEARNING CENTER
PROGRAM NET AREA: (ADDITIONAL PV WILL BE PROVIDED IN RELATION TO THE BUILDING GROSS AT THE FINAL DESIGN PHASE)	9,003 SF	16,720 SF	16,475 SF	8,470 SF	1,258 SF
REQUIRED POWER (W): 1.5W PER SF (NON...	13,504.5 W (13.51kW)	25,080 W (25.08kW)	24,713 W (24.71kW)	12,705 W (12.71kW)	1,887 W (1.89kW)
REQUIRED PANEL COUNT (360W/PANEL): ASSUME TYPICAL PANEL 78" X 39" (21.2 SF)	38	70	69	36	6
MINIMUM AREA REQUIRED:	806 SF	1,484 SF	1,462 SF	763.2 SF	127.2 SF
GROSS ROOF SURFACE AREA:	8,761 SF	9,274 SF	19,309.5 SF	9,737.5 SF	1,928.7 SF
PROVIDED PV SURFACE AREA: SETBACKS ACCOUNTED	806 SF	1,492 SF	1,488 SF	767 SF	130 SF
ESTIMATED PANEL COUNT:	38	70	70	36	6
PV POTENTIAL (360 W/PANELS): POTENTIAL 350-400 W/PANEL	13,680 W (13.68 kW)	25,200 W (25.20 kW)	25,200 W (25.20 kW)	12,960 W (12.96 kW)	2,160 W (2.16 kW)
ANNUAL POTENTIAL (kWh/year): ASSUMED 6.23 AVG SOLAR RADIATION PER DAY, SEE ATTACHMENT	23,605 kWh/year	43,250 kWh	43,250 kWh	22,243 kWh/year	3,707 kWh

CARLTON OAKS COUNTRYCLUB

9200 INWOOD DRIVE
SANTEE, CA 92071

ROOF AREA PV ESTIMATE

Sheet Number:
SK-008

1/24/2025 3:36:01 PM

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

Caution: Photovoltaic system performance predictions calculated by PVWatts® include many inherent assumptions and uncertainties and do not reflect variations between PV technologies nor site-specific characteristics except as represented by PVWatts® inputs. For example, PV modules with better performance are not differentiated within PVWatts® from lesser performing modules. Both NREL and private companies provide more sophisticated PV modeling tools (such as the System Advisor Model at //sam.nrel.gov) that allow for more precise and complex modeling of PV systems.

The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

The energy output range is based on analysis of 30 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

CLUBHOUSE RESULTS

43,250 kWh/Year*

System output may range from 41,572 to 43,523 kWh per year near this location.

Month	Solar Radiation (kWh / m^2 / day)	AC Energy (kWh)
January	4.83	2,953
February	5.05	2,783
March	6.54	3,886
April	6.81	3,929
May	6.55	3,849
June	7.38	4,109
July	7.56	4,358
August	7.50	4,264
September	6.96	3,859
October	5.94	3,485
November	5.05	2,938
December	4.58	2,837
Annual	**6.23**	**43,250**

Location and Station Identification

Requested Location	9200 Inwood Dr, Santee, CA 92071
Weather Data Source	Lat, Lng: 32.85, -117.02 0.8 mi
Latitude	32.85° N
Longitude	117.02° W

PV System Specifications

DC System Size	25.20 kW
Module Type	Standard
Array Type	Fixed (roof mount)
System Losses	14.08%
Array Tilt	20°
Array Azimuth	180°
DC to AC Size Ratio	1.2
Inverter Efficiency	96%
Ground Coverage Ratio	0.4
Albedo	*From weather file*
Bifacial	No (0)
Monthly Irradiance Loss	Jan 0% Feb 0% Mar 0% Apr 0% May 0% June 0% July 0% Aug 0% Sept 0% Oct 0% Nov 0% Dec 0%

Performance Metrics

DC Capacity Factor	19.6%

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

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The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

The energy output range is based on analysis of 30 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

COTTAGES
RESULTS

23,605 kWh/Year*

System output may range from 22,689 to 23,754 kWh per year near this location.

Month	Solar Radiation (kWh / m^2 / day)	AC Energy (kWh)
January	4.81	1,611
February	5.02	1,517
March	6.50	2,122
April	6.77	2,142
May	6.50	2,096
June	7.34	2,243
July	7.52	2,380
August	7.46	2,330
September	6.93	2,111
October	5.91	1,903
November	5.02	1,603
December	4.56	1,546
Annual	**6.20**	**23,604**

Location and Station Identification

Requested Location	9200 Inwood Dr, Santee, CA 92071
Weather Data Source	Lat, Lng: 32.85, -117.02 0.8 mi
Latitude	32.85° N
Longitude	117.02° W

PV System Specifications

DC System Size	13.68 kW
Module Type	Standard
Array Type	Fixed (open rack)
System Losses	14.08%
Array Tilt	20°
Array Azimuth	180°
DC to AC Size Ratio	1.2
Inverter Efficiency	96%
Ground Coverage Ratio	0.4
Albedo	*From weather file*
Bifacial	No (0)
Monthly Irradiance Loss	Jan 0% Feb 0% Mar 0% Apr 0% May 0% June 0% July 0% Aug 0% Sept 0% Oct 0% Nov 0% Dec 0%

Performance Metrics

DC Capacity Factor	19.7%

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

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The energy output range is based on analysis of 30 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

HOTEL RESULTS

43,250 kWh/Year*

System output may range from 41,572 to 43,523 kWh per year near this location.

Month	Solar Radiation (kWh / m^2 / day)	AC Energy (kWh)
January	4.83	2,953
February	5.05	2,783
March	6.54	3,886
April	6.81	3,929
May	6.55	3,849
June	7.38	4,109
July	7.56	4,358
August	7.50	4,264
September	6.96	3,859
October	5.94	3,485
November	5.05	2,938
December	4.58	2,837
Annual	**6.23**	**43,250**

Location and Station Identification

Requested Location	9200 Inwood Dr, Santee, CA 92071
Weather Data Source	Lat, Lng: 32.85, -117.02 0.8 mi
Latitude	32.85° N
Longitude	117.02° W

PV System Specifications

DC System Size	25.20 kW
Module Type	Standard
Array Type	Fixed (roof mount)
System Losses	14.08%
Array Tilt	20°
Array Azimuth	180°
DC to AC Size Ratio	1.2
Inverter Efficiency	96%
Ground Coverage Ratio	0.4
Albedo	*From weather file*
Bifacial	No (0)
Monthly Irradiance Loss	Jan 0% Feb 0% Mar 0% Apr 0% May 0% June 0% July 0% Aug 0% Sept 0% Oct 0% Nov 0% Dec 0%

Performance Metrics

DC Capacity Factor	19.6%

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

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The energy output range is based on analysis of 30 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

LEARNING CENTER
RESULTS

3,707 kWh/Year*

System output may range from 3,563 to 3,731 kWh per year near this location.

Month	Solar Radiation (kWh / m^2 / day)	AC Energy (kWh)
January	4.83	253
February	5.05	239
March	6.54	333
April	6.81	337
May	6.55	330
June	7.38	352
July	7.56	374
August	7.50	365
September	6.96	331
October	5.94	299
November	5.05	252
December	4.58	243
Annual	**6.23**	**3,708**

Location and Station Identification

Requested Location	9200 Inwood Dr, Santee, CA 92071
Weather Data Source	Lat, Lng: 32.85, -117.02 0.8 mi
Latitude	32.85° N
Longitude	117.02° W

PV System Specifications

DC System Size	2.16 kW
Module Type	Standard
Array Type	Fixed (roof mount)
System Losses	14.08%
Array Tilt	20°
Array Azimuth	180°
DC to AC Size Ratio	1.2
Inverter Efficiency	96%
Ground Coverage Ratio	0.4
Albedo	*From weather file*
Bifacial	No (0)
Monthly Irradiance Loss	Jan 0% Feb 0% Mar 0% Apr 0% May 0% June 0% July 0% Aug 0% Sept 0% Oct 0% Nov 0% Dec 0%

Performance Metrics

DC Capacity Factor	19.6%

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

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The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

The energy output range is based on analysis of 30 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

PROSHOP & CART BARN
RESULTS

22,243 kWh/Year*

System output may range from 21,380 to 22,383 kWh per year near this location.

Month	Solar Radiation (kWh / m^2 / day)	AC Energy (kWh)
January	4.83	1,519
February	5.05	1,431
March	6.54	1,998
April	6.81	2,021
May	6.55	1,979
June	7.38	2,113
July	7.56	2,241
August	7.50	2,193
September	6.96	1,985
October	5.94	1,792
November	5.05	1,511
December	4.58	1,459
Annual	**6.23**	**22,242**

Location and Station Identification

Requested Location	9200 Inwood Dr, Santee, CA 92071
Weather Data Source	Lat, Lng: 32.85, -117.02 0.8 mi
Latitude	32.85° N
Longitude	117.02° W

PV System Specifications

DC System Size	12.96 kW
Module Type	Standard
Array Type	Fixed (roof mount)
System Losses	14.08%
Array Tilt	20°
Array Azimuth	180°
DC to AC Size Ratio	1.2
Inverter Efficiency	96%
Ground Coverage Ratio	0.4
Albedo	*From weather file*
Bifacial	No (0)
Monthly Irradiance Loss	Jan 0% Feb 0% Mar 0% Apr 0% May 0% June 0% July 0% Aug 0% Sept 0% Oct 0% Nov 0% Dec 0%

Performance Metrics

DC Capacity Factor	19.6%

ATTACHMENT G

SSP Project Specific Completed Checklist

Sustainable Santee Action Plan CEQA Project Consistency Checklist					Notes
Greenhouse Gas Reduction Measure	**Measure Applicability**				This checklist is to be filled out by the applicant
	Yes	**No**	**N/A**	**Description**	
Emissions Measures Category: Energy Efficiency					
Land Use Sector-Residential					Measure 1.1 is not on checklist because it focuses on minor residental alterations not subject to CEQA
Goal 1. Increase Energy Efficiency in Existing Residential Units					
Measure 1.2. For existing Residential Unit Permit for Major Modifications (more than 30% of dwelling unit size, including bathroom and kitchen) that is considered a Project under CEQA must implement energy efficiency retrofits recommended from City Energy Audit and explain the energy efficiency retrofits implemented.			X	Not Applicable. There are no existing residential units on the project site.	Measure 1.2 only applies if alteration is subject to CEQA
Goal 2. Increase Energy Efficiency in the New Residential Units					
Measure 2.1. New residential construction meet or exceed California Green Building Standards Tier 2 Voluntary Measures, such as obtaining green building ratings including LEED, Build it Green, or Energy Star Certified building certifications in scoring development and explain the measures implemented.	X			The proposed project would comply with 2019 Title 24 Standards and Mitigation Measure MM AIR-8 requires the proposed project to utilize high-efficiency equipment and fixtures that exceed 2016 California Green Building Standards Code and 2019 Title 24 standards.	
Land Use Sector-Commercial					Measure 3.1 is not on checklist because it focuses on minor alterations which are not subject to CEQA
Goal 3. Increase Energy Efficiency in Existing Commercial Units					
Measure 3.2. For existing commercial units of 10,000 sq. ft. or more seeking building permits for modifications representing 30% or more sq. ft, and considered a Project under CEQA must implement energy efficiency retrofits recommended by the City to meet California Green Building Standards Tier 1 Voluntary Measures and explain the retrofits implemented.			X	Not Applicable. There are no existing commercial units on the project site.	Measure 3.2 only applies if alteration is subject to CEQA
Goal 4. Increase Energy Efficiency in New Commercial Units					
Measure 4.1. New commercial units meet or exceed California Green Building Standards Tier 2 Voluntary Measures such as obtain green building ratings including: LEED, Build it Green, or Energy Star Certified buildings certifications in scoring development and explain the measures implemented.	X			The proposed project would comply with 2019 Title 24 Standards and implement Mitigation Measure MM AIR-8.	
Emissions Measures Category: Advanced Goals Measures					
Land Use Sector-Commercial					
Goal 5. Decrease Energy Demand through Reducing Urban Heat Island Effect					
Measure 5.1. Project utilizes tree planting for shade and energy efficiency such as tree planting in parking lots and streetscapes.	X			The proposed project includes parks, trails, and habitat preserve that would contribute to reducing urban heat island effect.	
Measure 5.2. Project uses light-reflecting surfaces such as enhanced cool roofs on commercial buildings.	X			The proposed project encourages the use of light-colored, semi-reflective or cool roof technology for roofing, parking lots and other hardscape applications.	
Emissions Measures Category: Transportation					
Land Use Sector-Residential and Commercial					
Goal 6. Decrease GHG Emissions through a Reduction in VMT					
Measure 6.1. Proposed project streets include sidewalks, crosswalks, and other infrastructure that promotes non-motorized transportation options.	X			The proposed project would implement Transportation Demand Management (TDM) Measures (Mitigation Measure MM AIR-6) that would promote non-motorized transportation options, including improving design of development to enhance walkability and connectivity, and providing pedestrian network improvements.	
Measure 6.2. Proposed project installs bike paths to improve bike transit.	X			The proposed project includes Class I and Class II bike lanes and bike paths, including on-street bike lanes and off-street multi-purpose trails.	

Land Use Sector-Residential and Commercial					
Goal 7: Increase Use of Electric Vehicles					
Measure 7.1. Install electric vehicle chargers in all new residential and commercial developments.	X			The proposed project would include electric vehicle chargers in each residential unit garage, multi-family unit parking areas , and commercial area parking lots. The proposed project would fulfill this commitment by implementing Mitigation Measure AIR-7.	
a. For new Single-Family Residential, install complete 40 Amp electrical service and one e-charger.	X				
b. For new Multifamily Residential, install e-chargers for 13 percent of total parking.	X				
c. For new Office Space, Regional Shopping Centers, and Movie Theaters, install e-chargers for 5 percent of total parking spaces.	X				
d. For new Industrial and other Land Uses employing 200 or more employees, install e-charges for 5 percent of total parking spaces.	X				
Land Use Sector-Residential and Commercial					
Goal 8. Improve Traffic Flow					
Measure 8.1. Implement traffic flow improvement program.	X			The proposed project would include Smart Signals at all signaled intersections identified in the traffic study.	Projects that include traffic controls need to show consistency with one of these
a. Install smart traffic signals at intersections warranting a traffic signal, OR	X				
b. Install roundabout.			X		
Emissions Measures Category: Solid Waste					
Land Use Sector-Residential and Commercial					
Goal 9: Decrease GHG Emissions through Reducing Solid Waste Generation					
Measure 9.1. Reduce waste at landfills.	X			The proposed project would implement Mitigation Measure GHG-2 that requires project applicant to institute recycling and composting services to divert at least 90 percent of the waste.	
a. All development during construction and demolition activities to recycle construction and demolition waste.				The proposed project includes a minimal goal of 65% construction waste recycling or reuse by weight or volume and 100% soil and debris recycling or reuse.	
Emissions Measures Category: Clean Energy					
Land Use Sector-Residential and Commercial					
Goal 10. Decrease GHG Emissions through Increased Clean Energy Use					
Measure 10.1. Increase distributed energy generation within City of Santee by implementing the following applicable photovoltaic solar systems:	X			The proposed project would implement Mitigation Measure GHG-1 and supply at least 2 kW per single-family dwelling unit, 1 kW per multi-family dwelling unit, and 2 kW per square foot of commercial building area with on-site renewable energy by buildout.	
a. Single-family residential to install at least 2kW per unit of PV solar systems, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an application	X				
b. Multifamily residential to install at least 1kW per unit of PV solar systems, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an applicant's formal project submittal to City.	X				
c. On commercial buildings, install at least 2 kW per square foot of building area (e.g., 2,000 sq. ft. = 3 kW) unless the installation is infeasible due to poor solar resources.	X				